



SH3BP2 (NM_003023.4) - cDNA - 2025-04-02

CAGCCGGGTG ACCCAGGCCG AGGCCGGCAG AAGACAGCCT GATGCCTTGA **-212**
AGACTTCCTC TTGCACTTT GTTGGAGGGT GCTGGTTGC TAAAAGCAGA **-162**
GAGTATTTTT CTTTTTATT TTGTTGTTT TAATTTTTA ATTTTAGCTC **-112**
CAGCTCAGTT GCCCAGACTG GAGAGCAGTG GCCAATCATA GCTTACTGCC **-62**
TCCTGGAACT CCTGGCTCAA TCGATCCTCC TGGATAAGCC TCCTCCGGGT **-12**
ACTATAGCTT **CATGGCGGCT** GAAGAGATGC ATTGGCCTGT CCCTATGAAG **39**
GCCATTGGTG CCCAGAACCT GCTAACCATG CCTGGGGGCG TGGCCAAGGC **89**
TGGCTACCTG CACAAGAAGG GCGGTACCCA GCTGCAGCTG CTGAAATGGC **139**
CCCTGCG~~CTT~~ TGTCAATCATC CACAAACGCT GCGTCTACTA CTTCAAGAGT **189** **408delC**
AGCACCTCTG CCTCCCCGCA GGGCGCCTTC TCCCTGAGTG GCTATAACCG **239** **R80Q**
GGTGATGCGG GCGGCTGAGG AGACCACGTC CAACAACGTT TTCCCCCTTC **289**
AGATCATCCA TATCAGCAAG AAGCACCGCA **CGTGGTTCTT** CTCGGCCTCC **339** **T107M**
TCCGAGGAGG AGCGCAAGAG CTGGATGGCC TTGCTGCGCA GGGAGATTGG **389**
CCACTTCCAC **GAAAAGAAAG** ACCTGCCCTT GGACACCAGC GACTCCAGCT **439**
CGGACACAGA CAGCTTCTAC **GGCGCAGTTG** AGCGGCCTGT GGATATCAGC **489** **A155V**
CTTTCCCCGT ACCCCACGGA CAATGAAGAC TATGAGCACG ACGATGAGGA **539**
TGACTCCTAC CTGGAGCCTG ACTCCCCGGA GCCCGGAAGG CTTGAGGATG **589**
CCCTGATGCA CCCACCGGCT TACCCACAC CCCCAGTGCC CACGCCAGG **639**
AAGCCAGCCT TCTCTGACAT GCCCCGGGCC CACTCCTTTA CCTCCAAGGG **689**
CCCCGGTCCC CTACTGCCAC CCCCCCCCCC TAAGCACGGC CTCCCAGATG **739**
TTGGCCTGGC TGCTGAGGAC TCCAAGAGGG ACCCACTGTG CCCGAGGCGG **789**
GCTGAGCCTT GCCCCAGGGT ACCTGCTACC CCCCCGAAGGA TGAGCGATCC **839**

CCCTCTGAGC ACCATGCCCA CCGCACCCGG CCTCCGGAAA CCCCTTGCT 889
TCCGGGAGAG TGCCAGCCCC AGCCCGGAGC CCTGGACCCC TGGCACGGG 939 G313R
GCCTGCTCCA CTTCCAGTGC TGCCATCATG GCCACTGCCA CCTCCAGAAA 989
CTGTGACAAA CTCAAGTCCT TCCACCTGTC CCCCCGAGGA CCACCCACAT 1039
CTGAGCCCC ACCTGTGCCA GCCAACAAAGC CCAAGTTCT GAAGATAGCT 1089
GAAGAGGACC CCCCAAGGGA GGCAGCCATG CCCGGACTCT TTGTGCCCCC 1139
CGTGGCTCCC CGGCCTCCTG CGCTGAAGCT GCCAGTGCCT GAGGCCATGG 1189
CGCGGCCCGC AGTCCGTCCC AGGCCAGAGA AGCCGCAGCT CCCGCACCTC 1239
CAGCGATCAC CCCCCGATGG GCAGAGTTTC AGGAGCTTCT CCTTGAAAA 1289 c.1243C>T R415P R415Q P418T P418L P418H P418R P418Ha D419N D419Y D419G G420R G>C
G420R G>A G420E
GCCCGGCAA CCCTCACAGG CTGACACTGG CGGGGACGAC TCGGACGAGG 1339
ACTATGAGAA GGTGCCACTG CCCAACTCGG TCTTCGTCAA CACCACGGAG 1389
TCCTGCGAAG TGGAAAGGTT GTTCAAGGCT ACAAGCCCC GGGGAGAGCC 1439
CAGGATGGA CTCTACTGCA TCCGGAACTC CTCTACCAAG TCGGGGAAGG 1489 Q481L
TCCTGGTTGT GTGGGACGAA ACCTCTAACAA AAGTGAGGAA CTATCGCATT 1539
TTTGAGAAGG ACTCTAACAGT CTACCTGGAG GGCGAGGTCC TGTTTGAG 1589
TGTGGGCAGC ATGGTGGAGC ACTACCACAC CCACTGGCTG CCCAGGCCACC 1639 V542M S545N
AGAGCCTGCT GCTGGGCAC CCCTACGGCT ACACTGGGCC TAGGTTGATGG *3 R552W
CAGTCCATGT GGCTGCCAGG CCAAGGCAGT CACAGGGGCC CTGACCCCAG *53
GCCACACAGA CGGACATGGG CCCACATGGG AGGGTGAGCA GGAGCAAGGC *103
TGTGCTTGCC TAGGGCTCT GTGATGGACA TCTCGTAGGA CCCAGCCAGT *153
CTCATCCAGC AGGTTGGTT CTAGGGCTGA ACCAGGCGCC AGGCTCCAGA *203
GGACGAAGGG ACTCTGTTGC CCCACACTAA CTTGCCCTGT CCCAATCCC *253
GAAACCCAGG ACCAAGCTGT GCCTGGGCTC CAAGGACAGG AACACTGGTC *303
CCCCCATCAC ACTCACCCCT AAGTGGGCTG GGAGCCAGGC AGGGCCAGGG *353
CAGCTGGGTG GGGGCCGGGG CTGGCCCTGG GACCCCCAGG AACGCTAAGA *403
CACAGGCTCC AGTAGGGCT GTTGCCTCCA ATAAAGCAGC AGTGAGCTT *453
GCCTTGGTGG CTGGGGCTTG ATTGGGAAGG AGGGGATTAC CAGCTTACTG *503

GGTGCCCCATG CTGATGTCTA AGTGGTGACC GCAGCAGTAC CCGGGAAACCC *553
CAACAGTTGG TTGTCTTGTG TTCCAGGGTG CAGGTCACTG AGTGACTTCC *603
CCAGGGTGCA CAGCGAGTAA CAGATCAGGA CCCAAACTTG GGCAGTCTGG *653
GCTGGGAGCC CACACCCCAC TCACCAGTTC TGCTGCCTCA GGTCAGGCCA *703
GGGCAGTGCT GCTGCAGAGC TAGAAGGCCC TGCAGCTACA GCTGCTTCAT *753
TCCCTGCATT AGTGCTGGT TACTGGGTAC CTCCTGAGTG GCTGTCCCCG *803
TTCCAGAACT TGCATACTACT GAGCGGGCTA CAGAGCTAGA AGGCCCTGCA *853
GCTACAGCTG CTTCATTCCTC TGCATTAGCG AGCAGTTATT GGGTACCTCC *903
TGCATGCCTG GTCCCATTCC AGACAGGGGC CTCTGGCCTG GCTGAGTTCA *953
CAGCCCAGTC TGGGGACAGC TGGGTATGAG GTGCTTACGG CACAGTGTCC *1003
AGGGCAGCTG GGTGTGCAGG GACTGGGGC TCCCGGAAGA TTTTTGGAG *1053
GAAGTAACAG CTACGATGGG ATGGGAACAG TGGACCCCTAA GCAGGCCAAG *1103
GGTGCCTAGG GACGGTGGTA CCCAGATGCC CAAGTCTTCC AGGCAATACC *1153
TGGCTCAGGC CCAGCCCCAA TCCATCCCT TACTTCTGC CATGGAGTTC *1203
CAGCAGGTCA CTCTCCCTGG CACACCTTCC AGGCTGGATT TTTAATGAAA *1253
CAGACTCAGG GAGGTAGGGG CTGGCAGGGGA CCCTAGAACATC CTTGTGATT *1303
TTCTTAGCAC CTTATGTCAAG GGAAACCTAA ACTGAGGTCA GCACTTGGGC *1353
CCACTGACAG TGACTGACTG GGGGAGAAGG TCCTGCAGCC CCCTTCCCC *1403
GGGTGTGTTG TGGGGACCTG TGGTTGCTG GCGGAAACAA GTGATGAGGC *1453
TGGTTAGCGG ATGTGGGAGG CTGTGACCCC AGGGGGCCAT AGGGTGCAGGT *1503
GGAAC TGCAAG GCCCTGCAGA TGACGGCAGC CAGCTGCTTC CAGGAACCAG *1553
GTGTCCAAGG CCACCTCTGC AGGGGTTTCC TCTTCAGCCT GCCTGGGTG *1603
AGAGGTCAAGT GCACCAACAGC CGAGGCTGGA GCACAGGGAG CTTCTGTTGT *1653
TCTGATCTAT CTCTGGAAAA CCAGCCATTG CTCCTCCCTG CAGTCAGAAT *1703
TCTTTGCCCT GTCTGACCTG AACTTGCTTA GGGAGTCATG CCACTCCCCA *1753
CTGTGGCCAT AGTTTCTCTT CCTGTAAAAT TTTATTATTT TAGTTTTTG *1803
TTTTTGAGAT GTAGTCTCAC CCTGTGCCCC AGGCTGGAGT GCAATGCCGT *1853
GATCTCCGCT CACTGCCACC TCCGCCTCTC TAGTTCAAGC GATTTCCCTG *1903

CCTCAGCCTC CCGAGTAGCT GGGATTCCAG GCGCCCAGCA CCACGCCTGG *1953
CTAATTTTT GTATTTTAG TAGAGACGGG ATTTTATCAT GTTGGCCAGG *2003
CTGGTCTCGA ACTCCTGACC TCAGGTGATC TGCCCACCTT GGCCTCCAA *2053
AGTGCTGGGA TTACAGGCAT GAGCCACTGT GCCTGGCCCC TTCCTGTAAA *2103
ATTTTAAAT GGAGAATTGG GTGCGAGATG TGGTTCCAG CCTGGTGCCT *2153
GGGGTGCTGA GCTAGTGAGT GGTGCAGTCC AGGACACCTT TGCTTTATGT *2203
CACTTACACG GTCACCTGGA GCCGGCTCAA GTGGCTAAAG CATCCTGGGG *2253
CCCAGAGCCA GGTGATAGGT CCCTCTGGCC AACTGGACAG TTGAGGCCTG *2303
TGGTTACCCG AAGCCCAGCT GGGGCCCTGG TCCAGCCTCG CCTCCCAGAC *2353
TCTGCACCTG CTAGCACAGC TGTCCACGTC TGTGTGAGCT GCTCTAGGCC *2403
GAGGGCCTCA GTTCAAGAG TGTGTTGGGG TGGGATGGGG CAGGCCGTGG *2453
TCCTCCAGCA TGAAGAAGGA GCCATGAGGA GTTCCCATGA CCTCCCGAGA *2503
CTTGCCATAA GTGTTCTAGT CCACATATAA GGGTAGGGTT GGGATTACCA *2553
TTTACTGACC ACATCTGTGA GGTGCCGAGC TGGGTGCTTG ACATCATTG *2603
CTTGGAGAAG CAGCTGCTAG TAGACCCATT TTACAGGTGA GAGAACCAAG *2653
TCTCACAGAG GCCTGGGTTA AAGTCCCACC TCTGCCACTA ACTGGCATGT *2703
GACCCTATCT ATCCTTCACT GCTCTGAGCC TAGACCCCTGG CCCCTGCCTG *2753
GCTCCCTGCC AGGCTCCCTG CCACCCCTCA CGACCTCTGA TGGTCGTTGT *2803
GGGGGTCTCT TGCCTGGCTC CCAGGGCTAG GGTTAGGGCT CTGGAGGTGC *2853
TTTCACTCAA CCAAGGGGC CACAGCACTG GGGAGTGAAA CTGCCCGCC *2903
TCACCCCTGCC TTGCCCTCTG GGTCTGTGAG GGTGGGCTGG CAGGAGGCCT *2953
AGGCCTTGCC CTAGGGCAG TCCTGCTTCC TCATTTATA GATAGGGAAA *3003
CTGAGGCTTT GGGAGGACTC ACTGACATAC CTACCTTCAA GATGAGTTCA *3053
GGTGGGCTCA GTTCTGGGC TTGGGAAAAG GGCCCCAGTG GCTTTGGGAA *3103
GCACCCCCAG CCCAGGGTGA AACATGCTTC TTCTCTTCCT GTGGTTCCAT *3153
CCGAAGGATT GTGGTGAGCC CCGTGCTTC AGTTAATAAA GATTITGTATT *3203
GTGAAAAGAT TTTTCTTTT TTTTTGGGA CACAGTCTCA CTCTGTCGCC *3253
CAGGCTAGAG TGGATTGGCG TGATCTCGGC TCAATGCAA TCTCCAGGGT *3303

TCAATCGATT CTCCCTGCCTC ACCCTCCCAC GTAGCTGGGA TTACAGCTGC *3353
CTGCCAAATT TTTGTATTT TAGTGGAACCC GGGGTTTCAC CATGTTGCC *3403
AGGCTGGTCT TGAACCTCCTG ACCTCAACTG ATCCGCCAC CTTGGCCTCC *3453
CAAGTGCTGG GATTACAGGC GCGAGCCACG GCGCCCAGCC TTGAAAAGAT *3503
GTTTTAGAA CCAGAAGAAA CCTCGGTTCC CACTGATCCT TCTGGGCCAC *3553
GTTGTGCGGA GCTCCCTGC TGGTTGGGC TCAGCGCAGC CCCAGGGAGG *3603
TGCTTCCTGC ACCTCAGGAT GGGCGAGGGT GGGCATTGGG GGAGAGGGGG *3653
ACCTGGGACC TGCGGCTTAG TTCCCTGAGG CAGGCAGGGC TTATTGGGC *3703
CATTTCATAG AAAGGCAGAT TGAAGCTCAG CAGGGAAAGAG GCTTTTGAGG *3753
GTGATCCAGG CGCTGGAGGG ATGGCCTAGG ACACCAGGGT CACACCAGGA *3803
ACATGGGAGG GCCGTGCTTG TCTCTAGACG AGGGGAATGG GGGAAAGGCC *3853
ACAACCTCTG TTTCTGTGAC CCAGCAGCAT CAAGCCCCTC GCTGGGCACC *3903
TCGCACACAC CCCCTGCCTT ATCTCTGCCT GCACGCCCTG TTCCCTCCAC *3953
CTAGACTGCC TGCTGAGGGG GCAGTGCCAG GAGGTTGCCT GTCCTTGGGG *4003
AAGAGGGGCA GTGACCCCTGT GAAGATGCTT GACAGACAAC CCCCACCACC *4053
TCAGAAAGTGT GTGTGAGTGG TGAACCCCTTT TAAGCCATCT TCCAGCCATT *4103
CTCACTGGAG GGAGATTTGA TGGGTACAGA GCAGACCCCT ACCTGTCTAC *4153
CCTCCTTCGG ACCCCTAGGA AGCTTCGCAG GCCTTCCAGG CTGCCAGACA *4203
GCTGCCCTGG CGTTGCCGTC TGCTTCTTCC CTGGCCCCAC TCTGAGGGGC *4253
TCAGAGCTGA GGCAGAACCTC CTTTTTCATT CATTCTGC AGAATAAAC *4303
AACATACAGA AAAGTGAATA AACATAAAAT GCACAACCTA ACACACTGTT *4353
AGGAAGTGAA CGATCTGCAA CCACCATCAG GAAATAGTTT TGCCAGCACC *4403
CAAGTGCCT CCCCTCACAG TGTCACTTCC GGCCTCTCTG CCCTGGCTTA *4453
TGTGAGTCTT GTGTTCTTGT TTTTCTAAAA AGTCTTCAGC ACCCAATTAT *4503
GCAGGCATTG CAGTATTTTC CTGTTTCTGT GCTTTATCCC CTTGAATCAT *4553
ACAGATGCAA ATTCTGGCAG CTGGCTTCCTT TGGCTCGTTA TTATGTCTGT *4603
GAGATTATT CATGTTGCTG TGCCTAGTAT AGTTTGCA TGTTCATTGC *4653
TAAAAACTTC CATTGTTGG CTGTATCGTA GTTCACAGAT TCATTTCACT *4703

GTCAGTCAAG CTTGTCCAAT GCATGCAGCC CAGGATGCCT TTGAATGTGG *4753
CCCAACACAA ATTTGTAAAC TTTCTTAAAA CATTATAAAG ATTTTGTTT *4803
GCGATTTTT TTTTAGCTC ATCAGCTATA GTTAGTGGTA GTGTATTTA *4853
TCCGTGACCC GAGACAGTTC TTCCGGTATG GTCCATGGAA GCCAAAAGAT *4903
TGGACATGCC TGCTGTAGAT GGACAGTTGG TTTGTTCTA GTTGGGGTA *4953
ACTACACACA ATGCTGCTAG CAACAGTTT GTCCATGTCT CTGATGCACG *5003
TGTGTTTTT GCAAATGGTG CACAAATTT TCTAGGGTT GTACTCAGGA *5053
GTCTGACTCC TGGGTTCTAG GGTATGAAGA TCTTCTAAA TATTGTTCTA *5103
GTTTACGTGC CCACCAGCAG TAAAACAGAA TTCCCTTGCC TTCCCACCT *5153
TGGCAGACAT TTCACTTTG CCAGTCTGGT GGGGTGTATA GTTATGGCCT *5203
TAATTTGCAT TTAGCTAATT ACCAAGGAGA TTGAGCATAT TTTTATGTTT *5253
TTATTAACCA TTTTGATTT GTCTCCTGTG AAGTGTCTAT CATCTTTGC *5303
CCATTTTTA ACTTGGTGTG TTTTCTTT TCTTTCTTT TTTTTTTTT *5353
CTGAGACAGG GTCTCACTCT GTGCCCTGG CTGGAGTGCA GTGGTGCAAT *5403
CTCAGCTCAC TGCAGCCTTG AGTCAGGCTC AGGTGATTCT CTCACCTCAG *5453
CCTCCCAAGT AGCTGGGACC ACAGGCCAC ACCACCAAGC CCAGCTAATT *5503
TTTGTATTT TTAAGTAGAG ACGGGTTCA TCATGTTATG CAGGCTGCTC *5553
TCAAACCTTT GAGCTCAAGC GATCTGCTGG CCTCAGCCTC CCAAAGTTGG *5603
GATTATAGGC GTGAGCTACC AGATTTTTTC TTATTAATCT AATAATTCTT *5653
TGTATAGTCT TGATATTATC CATAATGTGT ATTGCAAATA TCTTCTCTAA *5703
CTCTGGCTTG ACTGTTTATG GTGCCTTTT TTTTGGGG GGGTTTTTG *5753
AGACAAGGTC TTGCTCTGTC ACCCAGGCTG GAGTGTATG GCACAATCTT *5803
GGCTTATTGC AGCCTCAATT CCTAGGCTTA AACAGTCCTC CCACCTCAGC *5853
CTCCTGAGTA GCCGGAACTA CAGTCACGCA CTTCCATGTC CAGATAATTT *5903
TTTTTTTTT TTTAGAGATA GGATCTTACT ATGCCCCAGC TGGTCTCAAA *5953
CTCCTAGACT CAATGAGCCT CCCATCTTGA CCTCCCAAAG TGCTGGAGT *6003
ACAGGCATGA GCCACTGTGC ATGCCAGTTC TTATTTTAA TGCAGTTGAA *6053
TTGATCAGTG TTTCATTTT GTTAGTGTCT TTTTGTGGCT TAAGAAATTC *6103

TTTCCAGGCT GGGTACAGTG GCTCACACCT GTAATGCCAG CACTTGGGG *6153
GCAGAGGCAG GAGGATTACT TGAGCTCAGG AGTTGAGAC CAACCTGGAC *6203
AACATGGCGA AACACCATCT CTACAAAAAA TACAAAATT AGCTGGACAT *6253
GGTGGTGCCT GCCTGTAGTC CCAGCTACTC AGGTGGCTGG GGTGAGAGGA *6303
TTGCTTGAGC CCAGAAGGTC AAGGCTGCAG TGAGCTGTGA TTGTGCCACT *6353
GCACCTCAGC CTGTGAGACA GAGTGAGACC CTATCTAAA AAAAACCAA *6403
AAAAAAAAAA AAAAAAAGAA AACCACTGAA ATTATTTCCA CTCCAAGGTC *6453
ATGAAGATAG TCTCTTAGAT TATATTCTGA AATCCTTATA AATGTAAATT *6503
TCATATTTAG GCCTTTAATT CACCTAGATT TGGTTTTTG CATATGGTGT *6553
GAGGTAAGGA TTCACTTCA TTTTTTCTC TCCATAGGGT TACACACCTG *6603
TCCTATCATT GTTGTAATC TAACTTTCTG CGCCCATCTG CAATGCCACC *6653
TCTGTCATAT GTCCACATAT GACATATGTA GATCTGTTGT TGGATTCTT *6703
CCTCTGTTCC ATTAGTCTGT CTGTTCTTGT GCCAATATCA AGCTGTCTTC *6753
ATTATTATCA ATTATGTATT GAGATCTGAT AAAGTAAGTC TTTCCACCT *6803
TATTTTCTT CTTTGAGAGT GTCTTGACTA TTCTGGCTCT TTGTATTTTC *6853
ATGTAAGGTT TTTCTCCCATT ATAAGTTTA AAATCAGCTT GTCAATTCCA *6903
ACAACAATGA TGCACTTGAT AGTTGGGAA TTTATTATAG CTATCAATCA *6953
GTTTGGGAA AATTGACGTC TTTACAATAT TGAGTTTCT GATTCAATGAA *7003
CATGGTTTAC CTCTCTTCC ATTTGGGTCT TCTTTAAGGT TTACCAATAG *7053
GATTTTATAT TTTTGTCAT TGTGGTCTTG CTTATCTAA GTTGATTG *7103
TAAATATTTT ATGTTCTTT TAGTCTATTG TAAATTGTGT ATTTTAATT *7153
TCATTTTTT TTTGTTAAT AGCATATAAA ACACACCTG TCTTTAACT *7203
GGAGCATTTC GTCCATTGTG TATTAATGT AATTAATCT ACCATCTTAT *7253
TTTATGCTA

SH3BP2 (NM_003023.4) - cDNA - 2025-04-02

