



UBA1 (NM\_003334.4) - cDNA - 2024-12-22

ATCTTGTGTC GGC GGCTCGG CTGTAAGGAG GTGGCAGGGA CAACCACAAC -147  
CACAAACGGCC GGGGGAGGAG AAGGCGGCAG CGGCGATTCT AGGCGGCCCA -97  
GGCGGCGGGG AGGAGGAGAA GGAGGAGGGT GGCGGCCGGG CTTGGCTTCG -47  
GCTCCTTGAG GAGTTGGCGG CGGCGCGACC CGGGGAACCG GCATTGATGT 4  
CCAGCTCGCC GCTGTCCAAG AAACGTCGCG TGTCCGGGCC TGATCCAAAG 54  
CCGGTTCCTA ACTGCTCCCC TGCCCAGTCC GTGTTGTCCG AAGTGCCCTC 104  
GGTGCCAACC AACGGATGG CCAAGAACGG CAGTGAAGCA GACATAGACG 154 c.118-1G>C G40A M41V M41L M41L\_A>T M41T  
AGGGCCTTTA CTCCCGGCAG CTGTATGTGT TGGGCCATGA GGCAATGAAG 204 S56F  
CGGCTCCAGA CATCCAGTGT CCTGGTATCA GGCCTGCGGG GCCTGGGCGT 254  
GGAGATCGCT AAGAACATCA TCCTTGGTGG GTCAAGGCT GTTACCCTAC 304  
ATGACCAGGG CACTGCCAG TGGGCTGATC TTTCCCTCCA GTTCTACCTG 354  
CGGGAGGAGG ACATCGGTAA AAACCGGGCC GAGGTATCAC AGCCCCGCCT 404  
CGCTGAGCTC AACAGCTATG TGCCGTGCAC TGCCTACACT GGACCCCTCG 454  
TTGAGGACTT CTTAGTGGT TTCCAGGTGG TGGTGCTCAC CAACACCCCC 504  
CTGGAGGACC AGCTGCGAGT GGGTGAGTTC TGTCAACAACC GTGGCATCAA 554  
GCTGGTGGTG GCAGACACGC GGGGCCGTGT TGGGCAGCTC TTCTGTGACT 604  
TTGGAGAGGA AATGATCCTC ACAGATTCCA ATGGGGAGCA GCCACTCAGT 654  
GCTATGGTTT CTATGGTTAC CAAGGACAAC CCCGGTGTGG TTACTGCCT 704 T233I  
GGATGAGGCC CGACACGGGT TTGAGAGCGG GGACTTTGTC TCCTTTTCAG 754  
AAGTACAGGG CATGGTTGAA CTCAACGGAA ATCAGCCCAT GGAGATCAAA 804  
GTCTGGGTC CTTATACCTT TAGCATCTGT GACACCTCCA ACTTCTCCGA 854  
CTACATCCGT GGAGGCATCG TCAGTCAGGT CAAAGTACCT AAGAAGATTA 904

GCTTTAAATC CTTGGTGGCC TCACTGGCAG AACCTGACTT TGTGGTGACG 954  
GACTTCGCCA AGTTTTCTCG CCTGCCCCAG CTGCACATTG GCTTCCAGGC 1004  
CCTGCACCAG TTCTGTGCTC AGCATGGCCG GCCACCTCGG CCCC GCAATG 1054  
AGGAGGATGC AGCAGAACTG GTAGCCTTAG CACAGGCTGT GAATGCTCGA 1104  
GCCCTGCCAG CAGTGCAGCA AAATAACCTG GACGAGGACC TCATCCGGAA 1154  
GCTGGCATAT GTGGCTGCTG GGGATCTGGC ACCCATAAAC GCCTTCATTG 1204  
GGGGCCTGGC TGCC CAGGAA GTCATGAAGG CCTGCTCCGG GAAGTTCATG 1254  
CCCATCATGC AGTGGCTATA CTTTGATGCC CTTGAGTGTG TCCCTGAGGA 1304  
CAAAGAGGTC CTCACAGAGG ACAAGTGCC TCCAGCGCCAG AACCGTTATG 1354  
ACGGGCAAGT GGCTGTGTTT GGCTCAGACC TGCAAGAGAA GCTGGGCAAG 1404  
CAGAAGTATT TCCTGTTGGG TGCGGGGGCC ATTGGCTGTG AGCTGCTCAA 1454 G477A  
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TGTGCGCCAA ATGAATCCAC ATATCCGGGT GACAAGCCAC CAGAACCGTG 1654  
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GATGGCGTGG CCAATGCCCT GGACAACGTG GATGCCCGCA TGTACATGGA 1754  
CCGCCGTGT GTCTACTACC GGAAGCCACT GCTGGAGTCA GGCACACTGG 1804  
GCACCAAAGG CAATG TGCAG GTGGTGATCC CCTTCCTGAC AGAGTCGTAC 1854 N606I  
AGTTCCAGCC AGGACCCACC TGAGAAGTCC ATCCCCATCT GTACCCTGAA 1904 S621C  
GAACTTCCCT AATGCCATCG AGCACACCCT GCAGTGGGCT CGGGATGAGT 1954  
TTGAAGGCCCT CTTCAAGCAG CCAGCAGAAA ATGTCAACCA GTACCTCACA 2004  
GACCCCAAGT TTGTGGAGCG AACACTGCGG CTGGCAGGCA CTCAGCCCTT 2054  
GGAGGTGCTG GAGGCTGTGC AGCGCAGCCT GGTGCTGCAG CGACCACAGA 2104  
CCTGGGCTGA CTGCGTGACC TGGGCCTGCC ACCACTGGCA CACCCAGTAC 2154  
TCGAACAACA TCCGGCAGCT GCTGCACAAC TTCCCTCCTG ACCAGCTCAC 2204  
AAGCTCAGGA GCGCCGTTCT GGTCTGGGCC CAAACGCTGT CCACACCCGC 2254  
TCACCTTTGA TGTCAACAAT CCCCTGCATC TGGACTATGT GATGGCTGCT 2304

GCCAACCTGT TTGCCAGAC CTACGGGCTG ACAGGCTCTC AGGACCGAGC 2354  
TGCTGTGGCC ACATTCCCTGC AGTCTGTGCA GGTCCCCGAA TTCACCCCA 2404  
AGTCTGGCGT CAAGATCCAT GTTCTGACC AGGAGCTGCA GAGCGCCAAT 2454  
GCCTCTGTTG ATGACAGTCG TCTAGAGGAG CTCAAAGCCA CTCTGCCAG 2504  
CCCAGACAAG CTCCCTGGAT TCAAGATGTA CCCCATGAC TTTGAGAAGG 2554  
ATGATGACAG CAACTTTCAT ATGGATTTCA TCGTGGCTGC ATCCAACCTC 2604  
CGGGCAGAAA ACTATGACAT TCCTTCTGCA GACCGGCACA AGAGCAAGCT 2654  
GATTGCAGGG AAGATCATCC CAGCCATTGC CACGACCACA GCAGCCGTGG 2704 I894S  
TTGGCCTTGT GTGTCTGGAG CTGTACAAGG TTGTGCAGGG GCACCGACAG 2754  
CTTGACTCCT ACAAGAATGG TTTCTCAAC TTGGCCCTGC CTTCTTTGG 2804  
TTTCTCTGAA CCCCTTGCCG CACCACGTCA CCAGTACTAT AACCAAGAGT 2854  
GGACATTGTG GGATCGCTTT GAGGTACAAG GGCTGCAGCC TAATGGTGAG 2904  
GAGATGACCC TCAAACAGTT CCTCGACTAT TTTAAGACAG AGCACAAATT 2954  
AGAGATCACC ATGCTGTCCC AGGGCGTGTC CATGCTCTAT TCCTTCTTCA 3004  
TGCCAGCTGC CAAGCTCAAG GAACGGTTGG ATCAGCCGAT GACAGAGATT 3054  
GTGAGCCGTG TGTCGAAGCG AAAGCTGGGC CGCCACGTGC GGGCGCTGGT 3104  
GCTTGAGCTG TGCTGTAACG ACGAGAGCGG CGAGGATGTC GAGGTTCCCT 3154  
ATGTCCGATA CACCATCCGC **TGA**CCCCGTC TGCTCCTCTA GGCTGGCCCC \*27  
TTGTCCACCC CTCTCCACAC CCCTTCCAGC CCAGGGTTCC CATTGGCTT \*77  
CTGGCAGTGG CCCAACTAGC CAAGTCTGGT GTTCCCTCAT CATCCCCCTA \*127  
CCTGAACCCC TCTTGCCACT GCCTTCTACC TTGTTTGAAA CCTGAATCCT \*177  
AATAAAGAAT TAATAACTCC CA

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