



UBA1 (NM_003334.4) - cDNA - 2025-04-03

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](#)
AGGGCCTT~~TA~~ CTCCCGGCAG CTGTATGTGT TGGGCCATGA GGCAATGAAG 204 [Y55H](#) [S56F](#)
CGGCTCCAGA CATCCAGTGT CCTGGTATCA GGCCTGCGGG GCCTGGGCGT 254
GGAGATCGCT AAGAACATCA TCCTTGGTGG GTCAAGGCT GTTACCCTAC 304
ATGACCAGGG CACTGCCCAG TGGGCTGATC TTTCCCTCCA GTTCTACCTG 354
CGGGAGGAGG ACATCGGTAA AAACCGGGCC GAGGTATCAC AGCCCCGCCT 404
CGCTGAGCTC AACAGCTATG TGCCGTGCAC TGCCTACACT GGACCCCTCG 454
TTGAGGACTT CCTTAGTGGT TTCCAGGTGG TGGTGCTCAC CAACACCCCC 504
CTGGAGGACC AGCTGCGAGT GGGTGAGTTC TGTCAACAACC GTGGCATCAA 554
GCTGGTGGTG GCAGACACGC GGGGCCGTGT TGGGCAGCTC TTCTGTGACT 604
TTGAGAGGA AATGATCCTC ACAGATCCA ATGGGAGCA GCCACTCAGT 654
GCTATGGTTT CTATGGTTAC CAAGGACA~~A~~ CCCGGTGTGG TTA~~C~~CTGCCT 704 [N228S](#) [T233I](#)
GGATGAGGCC CGACACGGGT TTGAGAGCGG GGACTTTGTC TCCTTTTCAG 754
AAGTACAGGG CATGGTTGAA CTCAACGGAA ATCAGCCCAT GGAGATCAA 804
GTCTGGGTC CTTATACCTT TAGCATCTGT GACACCTCCA ACTTCTCCGA 854
CTACATCCGT GGAGGCATCG TCAGTCAGGT CAAAGTACCT AAGAAGATTA 904

GCTTTAAATC CTTGGTGGCC TCACTGGCAG AACCTGACTT TGTGGTGACG 954
GACTTCGCCA AGTTTTCTCG CCCTGCCAG CTGCACATTG GCTTCCAGGC 1004
CCTGCACCAG TTCTGTGCTC AGCATGGCCG GCCACCTCGG CCCC GCAATG 1054
AGGAGGATGC AGCAGAACTG GTAGCCTTAG CACAGGCTGT GAATGCTCGA 1104
GCCCTGCCAG CAGTGCAGCA AAATAACCTG GACGAGGACC TCATCCGGAA 1154
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CCCATCATGC AGTGGCTATA CTTTGATGCC CTTGAGTGTG TCCCTGAGGA 1304
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ACGGGCAAGT GGCTGTGTTT GGCTCAGACC TGCAAGAGAA GCTGGGCAAG 1404
CAGAAGTATT TCCTGTTGGG TGCGGGGGCC ATTGGCTGTG AGCTGCTCAA 1454 [G477A](#) [A478S](#)
GAACTTTGCC ATGATTGGGC TGGGCTGCGG GGAGGGTGGG GAAATCATCG 1504
TTACAGACAT [GGA](#)CACCATT GAGAAGTCAA ATCTGAATCG ACAGTTTCTT 1554 [D506N](#) [D506G](#)
TTCCGGCCCT GGGATGTCAC GAAGTTAAAG TCTGACACGG CTGCTGCAGC 1604
TGTGCGCCAA ATGAATCCAC ATATCCGGGT GACAAGCCAC CAGAACCGTG 1654
TGGGTCC TGA CACGGAGCGC ATCTATGATG ACGATTTTTT CAAAACCTA 1704
GATGGCGTGG CCAATGCCCT GGACAACGTG GATGCCCGCA TGTACATGGA 1754
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GCACCAAAGG [CA](#)ATGTGCAG GTGGTGATCC CCTTCCTGAC AGAGTCGTAC 1854 [N606I](#)
AGTTCCAGCC AGGACCCACC TGAGAAGTCC ATCCCCATCT GTACCCTGAA 1904 [S621C](#)
GAACTTCCCT AATGCCATCG AGCACCCCT 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
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CGGGCAGAAA ACTATGACAT TCCTTCTGCA GACCGGCACA AGAGCAAGCT 2654
GATTGCAGGG AAGATCATCC CAGCCATTGC CACGACCACA GCAGCCGTGG 2704 I894S
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CTTGACTCCT ACAAGAATGG TTTCTCAAC TTGGCCCTGC CTTTCTTTGG 2804
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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
CCTGAACCC TCTTGCCACT GCCTTCTACC TTGTTTGAAA CCTGAATCCT *177
AATAAAGAAT TAATAACTCC CA

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