



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

ATCTTGTGTC GCGGCTCGG CTGTAAGGAG GTGGCAGGGA CAACCACAAC -147

CACAACGGCC GGGGGAGGAG AAGGCGGCAG CGGCGATTCT AGGCGGCCCA -97

GGCGGCGGGG AGGAGGAGAA GGAGGAGGGT GCGGCGCCGG CTTGGCTTCG -47

GCTCCTTGAG GAGTTGGCGG CGGCGCGACC CGGGGAACCG GCATTGATGT 4

MetS 2

CCAGCTCGCC GCTGTCCAAG AAACGTCGCG TGTCCGGGCC TGATCCAAAG 54

erSerSerPr oLeuSerLys LysArgArgV alSerGlyPr oAspProLys 18

CCGGTTCCTA ACTGCTCCCC TGCCCAGTCC GTGTTGTCCG AAGTGCCCTC 104

ProGlySerA snCysSerPr oAlaGlnSer ValLeuSerG luValProSe 35

GGTGCCAACC AACGGAATGG CCAAGAACGG CAGTGAAGCA GACATAGACG 154 c.118-1G>C G40A M41V M41L M41L_A>T M41T

rValProThr AsnGlyMetA laLysAsnGl ySerGluAla AspIleAspG 52

AGGGCCTTIA CTCCGGCAG CTGTATGTGT TGGGCCATGA GGCAATGAAG 204 Y55H S56F

luGlyLeuTy rSerArgGln LeuTyrValL euGlyHisGl uAlaMetLys 68

CGGCTCCAGA CATCCAGTGT CCTGGTATCA GGCTGCGGG GCCTGGGCGT 254

ArgLeuGlnT hrSerSerVa lLeuValSer GlyLeuArgG lyLeuGlyVa 85

GGAGATCGCT AAGAACATCA TCCTTGGTGG GGTCAAGGCT GTTACCCTAC 304

lGluIleAla LysAsnIleI leLeuGlyGl yValLysAla ValThrLeuH 102

ATGACCAGGG CACTGCCCAG TGGGCTGATC TTTCCCTCCCA GTTCTACCTG 354

isAspGlnGl yThrAlaGln TrpAlaAspL euSerSerGl nPheTyrLeu 118

CGGGAGGAGG ACATCGGTAA AAACCGGGCC GAGGTATCAC AGCCCCGCCT 404

ArgGluGluA spIleGlyLy sAsnArgAla GluValSerG lnProArgLe 135

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uAlaGluLeu AsnSerTyrV alProValTh rAlaTyrThr GlyProLeuV 152

TTGAGGACTT CCTTAGTGGT TTCCAGGTGG TGGTGCTCAC CAACACCCCC 504

alGluAspPh eLeuSerGly PheGlnValV alValLeuTh rAsnThrPro 168

CTGGAGGACC AGCTGCGAGT GGGTGAGTTC TGTCAACAACC GTGGCATCAA 554

LeuGluAspG lnLeuArgVa lGlyGluPhe CysHisAsnA rgGlyIleLy 185

GCTGGTGGTG GCAGACACGC GGGGCCTGTT TGGGCAGCTC TTCTGTGACT 604

sLeuValVal AlaAspThrA rgGlyLeuPh eGlyGlnLeu PheCysAspP 202

TTGGAGAGGA AATGATCCTC ACAGATTCCA ATGGGGAGCA GCCACTCAGT 654

heGlyGluGl uMetIleLeu ThrAspSerA snGlyGluGl nProLeuSer 218

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AlaMetValS erMetValTh rLysAspAsn ProGlyValV alThrCysLe 235

GGATGAGGCC CGACACGGGT TTGAGAGCGG GGACTTTGTC TCCTTTTCAG 754

uAspGluAla ArgHisGlyP heGluSerGl yAspPheVal SerPheSerG 252

AAGTACAGGG CATGGTTGAA CTCAACGGAA ATCAGCCCAT GGAGATCAAA 804
luValGlnGl yMetValGlu LeuAsnGlyA snGlnProMe tGluIleLys 268

GTCCTGGGTC CTTATACCTT TAGCATCTGT GACACCTCCA ACTTCTCCGA 854
ValLeuGlyP roTyrThrPh eSerIleCys AspThrSerA snPheSerAs 285

CTACATCCGT GGAGGCATCG TCAGTCAGGT CAAAGTACCT AAGAAGATTA 904
pTyrIleArg GlyGlyIleV alSerGlnVa lLysValPro LysLysIleS 302

GCTTTAAATC CTTGGTGGCC TCACTGGCAG AACCTGACTT TGTGGTGACG 954
erPheLysSe rLeuValAla SerLeuAlaG luProAspPh eValValThr 318

GACTTCGCCA AGTTTTCTCG CCCTGCCAG CTGCACATTG GCTTCCAGGC 1004
AspPheAlaL ysPheSerAr gProAlaGln LeuHisIleG lyPheGlnAl 335

CCTGCACCAG TTCTGTGCTC AGCATGGCCG GCCACCTCGG CCCCACAATG 1054
aLeuHisGln PheCysAlaG lnHisGlyAr gProProArg ProArgAsnG 352

AGGAGGATGC AGCAGAACTG GTAGCCTTAG CACAGGCTGT GAATGCTCGA 1104
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GCCCTGCCAG CAGTGCAGCA AAATAACCTG GACGAGGACC TCATCCGGAA 1154
AlaLeuProA laValGlnGl nAsnAsnLeu AspGluAspL euIleArgLy 385

GCTGGCATAT GTGGCTGCTG GGGATCTGGC ACCCATAAAC GCCTTCATTG 1204
sLeuAlaTyr ValAlaAlaG lyAspLeuAl aProIleAsn AlaPheIleG 402

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lyGlyLeuAl aAlaGlnGlu ValMetLysA laCysSerGl yLysPheMet 418

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ProIleMetG lnTrpLeuTy rPheAspAla LeuGluCysL euProGluAs 435

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pLysGluVal LeuThrGluA spLysCysLe uGlnArgGln AsnArgTyrA 452

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CAGAAGTATT TCCTGGTGGG TGCGGGGGCC ATTGGCTGTG AGCTGCTCAA 1454 [G477A](#) [A478S](#)

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TTACAGACAT [GGA](#)CACCATT GAGAAGTCAA ATCTGAATCG ACAGTTTCTT 1554 [D506N](#) [D506G](#)

alThrAspMe tAspThrIle GluLysSerA snLeuAsnAr gGlnPheLeu 518

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AspProLysP heValGluAr gThrLeuArg LeuAlaGlyT hrGlnProLe 685

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SerAsnAsnI leArgGlnLe uLeuHisAsn PheProProA spGlnLeuTh 735

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rSerSerGly AlaProPheT rpSerGlyPr oLysArgCys ProHisProL 752

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yrValArgTy rThrIleArg Stop

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CCTGAACCCC TCTTGCCACT GCCTTCTACC TTGTTTGAAA CCTGAATCCT *177

AATAAAGAAT TAATAACTCC CA

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