



## UNC93B1 (NM\_030930.4) - cDNA - 2025-09-04

GGCGGGTCGC AGGGACTCCG GGGCGACCGC CGCGAGTCCG CAGTAGTTCG -5  
GCCCATGAG GCGGAGCCGC CGCTCTACCC GATGGCGGGG GCTGCGGGGC 46  
CGCAGGGCGA CGAGGACCTG CTCGGGTCC CGGACGGGCC CGAGGCCCCG 96  
CTGGACGAGC TGGTGGCGC GTACCCCAAC TACAACGAGG AGGAGGAGGA 146 E49dup  
GC<sub>2</sub>CGCTAC TACCGCCGCA AGCGCCTGGG CGTGCTCAAG AACGTGCTGG 196 R50S L65V  
CTGCCAGCGC CGGGGGCATG CTCACCTACG GCGTCTACCT GGGCCTCCTG 246  
CAGATGCAGC TGATCCTGCA CTACGACGAG ACCTACCGCG AGGTGAAGTA 296 E92G T93I  
TGGCAACATG GGGCTGCCCG ACATCGACAG CAAAATGCTG ATGGGCATCA 346  
ACGTGACTCC CATCGCCGCC CTGCTCTACA CACCTGTGT CATCAGGTTT 396 V117L L129I  
TTTGGAACGA AGTGGATGAT GTTCCTCGCT GTGGGCATCT ACGCCCTCTT 446  
TGTCTCCACC AACTACTGGG AGCGTACTA CACGCTTGTG CCCTCGGCTG 496 R157H S164L  
TGGCCCTGGG CATGGCCATC GTGCCTCTT GGGCTTCCAT GGGCAACTAC 546  
ATCACCAGGA TGGCGCAGAA GTACCATGAG TACTCCCACT ACAAGGAGCA 596  
GGATGGGCAG GGGATGAAGC AGCGGCCTCC GCGGGGCTCC CACGCGCCCT 646 P209L  
ATCTCCTGGT CTTCCAAGCC ATCTTCTACA GCTTCTTCCA TCTGAGCTTC 696  
GCCTGCGCCC AGCTGCCAT GATTATTTCT GACCAACCACT ACCTGTATGA 746  
CCTGAACCAC ACGCTGTACA ATGTGCAGAG CTGCGGCACC AACAGCCACG 796  
GGATCCTCAG CGGCTTCAAC AAGACGGTTC TGCGGACGCT CCCGCGGAGC 846  
GGAAACCTCA TTGTGGTGGA GAGCGTGCTC ATGGCAGTGG CCTTCTGGGC 896 F297L A299S  
CATGCTGCTG GTGCTGGTT TGTGCGGAGC CGCTTACCGG CCCACGGAGG 946 T314A  
AGATCGATCT GCGCAGCGTG GGCTGGGGCA ACATCTTCCA GCTGCCCTTC 996 I317M G325C L330R  
AAGCACGTGC GTGACTACCG CCTGCGCCAC CTCGTGCCCT TCTTTATCTA 1046 R336C R336L

CAGCGGCTTC GAGGTGCTCT TTGCCTGCAC TGGTATGCC TTGGGCTATG 1096  
GCGTGTGCTC GGTGGGCTG GAGCGGCTGG CTTACCTCCT CGTGGCTTAC 1146 V380M  
AGCCTGGCG CCTCAGCGC CTCACTCCTG GGCGTCTGG GCCTGTGGCT 1196 A388V  
GCCACGCCCG GTGCCCTGG TGGCCGGAGC AGGGGTGCAC CTGCTGCTCA 1246 P404S  
CCTTCATCCT CTTTTCTGG GCCCCTGTGC CTCGGTCCT GCAACACAGC 1296  
TGGATCCTCT ATGTGGCAGC TGCCCTTG GGTGTGGCA GTGCCCTGAA 1346  
CAAGACTGGA CTCAGCACAC TCCTGGGAAT CTTGTACGAA GACAAGGAGA 1396  
GACAGGACTT CATCTTCACC ATCTACCACT GGTGGCAGGC TGTGGCCATC 1446 R466S  
TTCACCGTGT ACCTGGGCTC GAGCCTGCAC ATGAAGGCTA AGCTGGCGGT 1496 V485M  
GCTGCTGGTG ACGCTGGTGG CGGCCGCGGT CTCCCTACCTG CGGATGGAGC 1546  
AGAACGCTGCG CGGGGGCGTG GCCCGCGC<sub>GC</sub> AGCCCCGCAT CCCGCGG<sub>CC</sub> 1596 R525P P532T  
CAGCACAAGG TGCGCGGTTA CCGCTACTTG GAGGAGGACA ACTCGGACGA 1646  
GAGGCACGCG GAGG<sub>CG</sub>GAGC ATGGGGACGG CGCGGAGGAG GAGGCGCCGC 1696 G554D  
CCGCAGGGCC CAGGCCCTGGC CCC<sub>GAGC</sub>CG CTGGACTCGG CCGCCGGCCC 1746 E574Q P575H  
TGCCCGTAGC AACAGGCGCA GGGGGAGAC GGGCCGGAGG AGCAGTGAGG \*2 G590W G590R G591E G593R  
GGCCGCCTGG TCCCCGGACT CAGCCTCCCT CCTCGCCGGC CTCAGTTTAC \*52  
CACGTCTGAG GTCGGGGGGA CCCCCCTCCGA GTCCCGCGCT GTCTTCAAAG \*102  
GCCCTGTCT CCCCTCCCCC ACGTTGGGGA CGCCCCCTCCC AGAGCCCAGG \*152  
TCACCTCCGG GCTTCCCGCAG CCCCCCTCCAA GGCGGAGTGG AGCCTTGGGA \*202  
ACCCCTCGGC CAAGCACAGG GGTCGAAAA TACAGCTGAA ACCCCGCGGG \*252  
CCCTTAGCAC GCGCCCCAGC GCCGGAGCAC GGTCAAGGGTC TTCTTGCAC \*302  
CCGGCCCGCT CCAGATCCCC ACAGCTCTCG GCCGGGGACC CGGGCCCGGT \*352  
GTGAGCGCAC TTTGCACCTC CTATCCCCAG GGTCCGCCGA GAGCCACGAT \*402  
TTTTTACAGA AAATGAGCAA TAAAGAGATT TTGTACTGTC CTGA

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