



NCSTN (NM\_015331.3) - cDNA - 2026-06-04

AGCAGAGAGG CAAGATGGCT ACGGCAGGGG GTGGCTCTGG GGCTGACCCG 36  
GGAAGTCGGG GTCTCCTTCG CCTTCTGTCT TTCTGCGTCC TACTAGCAGG 86  
TTTGTGCAGG GGAAACTCAG TGGAGAGGAA GATATATATC CCCTTAAATA 136 G33R  
AAACAGCTCC CTGTGTTTCG CTGCTCAACG CCACTCATCA GATTGGCTGC 186  
CAGTCTTCAA TTAGTGGAGA CACAAGGGTT ATCCACGTAG TAGAGAAAGA 236 Thr70fsX18 V75I  
GGAGGACCTA CAGTGGGTAT TGACTGATGG CCCCAACCCC CCTTACATGG 286 p.P73Lfs\*15  
TTCTGCTGGA GAGCAAGCAT TTTACCAGGG ATTTAATGGA GAAGCTGAAA 336  
GGGAGAA\_CCA GCCGAATTGC TGGTCTTGCA GTGTCCTTGA CCAAGCCCAG 386 T115fs R117X R117Q  
TCCTGCCTCA GGCTTCTCTC CTAGTGTACA GTGCCCAAAT GATGGGTTTG 436  
GTGTTTACTC CAATTCCAT GGGCCAGAGT TTGCTCACTG CAGAGAAATA 486 I162Yfs\*57  
CAGTGAAATT CGCTGGCAA TGGTTTGCT TATGAAGACT TTAGTTTCCC 536 p.Gln163SerfsX39 S166X  
CATCTTCTT CTTGAAATG AAAATGAAAC CAAAGTCATC AAGCAGTGCT 586 F181S D185N  
ATCAAGATCA CAACCTGAGT CAGAATGGCT CAGCACCAAC CTTCCACTA 636 P211R  
TGTGCCATGC AGCTCTTTT ACACATGCAT GCTGTCATCA GCACTGCCAC 686 Q216P S219Ffs\*31 c.687insCC  
CTGCATGCGG CGCAGCTCCA TCCAAAGCAC CTTCAGCATC AACCCAGAAA 736  
TCGTCTGTGA CCCCTGTCT GATTACAATG TGTGGAGCAT GCTAAAGCCT 786  
ATAAATACAA CTGGGACATT AAAGCCTGAC GACAGGGTTG TGGTTGCTGC 836  
CACCCGGCTG GATAGTCGTT CCTTTTTCTG GAATGTGGCC CCAGGGGCTG 886  
AAAGCGCAGT GGCTTCCTTT GTCACCCAGC TGGCTGCTGC TGAAGCTTTG 936 c.887A>G  
CAAAAGG\_CAC CTGATGTGAC CACCCTGCCC CGCAATGTCA TGTTTGTCTT 986 A315V  
CTTTCAAGGG GAAACTTTTG ACTACATTGG CAGCTCGAGG ATGGTCTACG 1036  
ATATGGAGAA GGGCAAGTTT CCCGTGCAGT TAGAGAATGT TGACTCATT 1086

GTGGAGCTGG GACAGGTGGC CTTAAGAACT TCATTAGAGC TTTGGATGCA 1136 [c.1125+1G>A](#)  
CACAGATCCT GTTTCCTCAGA AAAATGAGTC TGTACGGAAC CAGGTGGAGG 1186 [D381Sfs\\*7](#)  
ATCTCCTGGC CACATTGGAG AAGAGTGGTG CTGGTGTCCC TGCTGTCATC 1236  
CTCAGGAGGC CAAATCAGTC CCAGCCTCTC CCACCATCTT CCCTGCAGCG 1286 [Q420X](#)  
ATTTCTTCGA GCTCGAAACA TCTCTGGCGT TGTTCCTGGCT GACCACTCTG 1336 [p.Arg434X](#)  
GTGCCTTCCA TAACAAATAT TACCAGAGTA TTTACGACAC TGCTGAGAAC 1386  
ATTAATGTGA GCTATCCCGA ATGGCTGAGC CCTGAAGAGG ACCTGAACTT 1436  
TGTAACAGAC ACTGCCAAGG CCCTGGCAGA TGTGGCCACG GTGCTGGGAC 1486  
GTGCTCTGTA TGAGCTTGCA GGAGGAACCA ACTTCAGCGA CACAGTTCAG 1536  
GCTGATCCCC AAACGGTTAC CCGCCTGCTC TATGGGTTCC TGATTAAAGC 1586  
CAACAACCTCA TGGTTCAGT CTATCCTCAG GCAGGACCTA AGGTCCTA~~C~~T 1636 [Y545X](#)  
TGGGTGACGG GCCTCTTCAA CATTACATCG CTGTCTCCAG CCCCACCAAC 1686  
ACCAC~~T~~TA~~T~~G TTGTA~~C~~AGTA TGCCTTGCA AATTTGACTG GCACAGTGGT 1736 [Y565X](#) [Q568X](#)  
CAACCTCACC CGAGA~~G~~CAGT GCCAGGATCC A~~A~~G~~T~~AAAGTC CCAAGTGA~~A~~A 1786 [E584DfsX44](#) [c.1768A>G](#)  
ACAAGGAT~~C~~T GTA~~T~~GAGTAC TCATGGGTCC AGGGCCCTTT GCATTCTAAT 1836 [c.1799delTG](#)  
GAGACGGACC GACTCCCCCG GTGTGTGCGT TCTACTGCAC GATTAGCCAG 1886  
GGCCTTGTCT CCTGCCTTTG AACTGAGTCA GTGGAGCTCT ACTGAATACT 1936  
CTACATGGAC TGAGAGCCGC TGGAAAGATA TCCGTGCCCG GATATTTCTC 1986  
ATCGCCAGCA AAGAGCTTGA GTTGATCACC CTGACAGTGG GCTTCGGCAT 2036  
CCTCATCTTC TCCCTCATCG TCACCTACTG CATCAATGCC AAAGCTGATG 2086  
TCCTTTTCAT TGCTCCCCGG GAGCCAGGAG CTGTGTCATA ~~CTG~~AGGAGGA \*6  
CCCCAGCTTT TCTTGCCAGC TCAGCAGTTC ACTTCCTAGA GCATCTGTCC \*56  
CACTGGGACA CAACCACTAA TTTGTCACTG GAACCTCCCT GGGCCTGTCT \*106  
CAGATTGGGA TTAACATAAA AGAGTGGAAC TATCCAAAAG AGACAGGGAG \*156  
AAATAAATAA ATTGCCTCCC TTCCTCCGCT CCCCTTTCCC ATCACCCTT \*206  
CCCCATTTCC TCTTCCTTCT CTACTCATGC CAGATTTTGG GATTACAAAT \*256  
AGAAGCTTCT TGCTCCTGTT TAAC~~T~~CCCTA GTTACCAC~~C~~ CTAATTTGCC \*306  
CTTCAGGACC CTTCTACTTT TTCCTTCCTG CCCTGTACCT CTCTCTGCTC \*356

CTCACCCCA CCCCTGTACC CAGCCACCTT CCTGACTGGG AAGGACATAA \*406  
AAGGTTTAAT GTCAGGGTCA AACTACATTG AGCCCCTGAG GACAGGGGCA \*456  
TCTCTGGGCT GAGCCTACTG TCTCCTTCCC ACTGTCCTTT CTCCAGGCCC \*506  
TCAGATGGCA CATTAGGGTG GGCGTGCTGC GGGTGGGTAT CCCACCTCCA \*556  
GCCCACAGTG CTCAGTTGTA CTTTTTATTA AGCTGTAATA TCTATTTTTG \*606  
TTTTTGCTT TTTCCTTTAT TCTTTTTGTA AATATATATA TAATGAGTTT \*656  
CATTAAAATA GATTATCCCA CA

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