



*TLR7* (NM\_016562.4) - cDNA - 2026-05-25

ACTTCATCTC AGAAGACTCC AGATATAGGA TCACTCCATG CCATCAAGAA -101  
AGTTGATGCT ATTGGGCCCA TCTCAAGCTG ATCTTGGCAC CTCTCATGCT -51  
CTGCTCTCTT CAACCAGACC TCTACATTCC ATTTTGGAAAG AAGACTAAAA -1  
**ATGGTGT**TTTC CAATGTGGAC ACTGAAGAGA CAAATTCTTA TCCTTTTTAA 50  
CATAATCCTA ATTTCCAAAC TCCTTGGGGC **T**AGATGGTTT CCTAAAATC 100 **R28G**  
TGCCCTGTGA TGTCACCTCG GATGTTCCAA AGAACCATGT GATCGTGGAC 150  
TGCACAGACA AGCATTGAC AGAAATTCCT GGAGGTATTC CCACGAACAC 200  
CACGAACCTC ACCCTCACCA TTAACCACAT ACCAGACATC TCCCAGCGT 250  
CCTTTCACAG ACTGGACCAT CTGGTAGAGA TCGATTTTCA ATGCAACTGT 300  
GTACCTATTC CACTGGGGTC AAAAAACAAC ATGTGCATCA AGAGGCTGCA 350  
GATTAAACCC AGAAGCTTTA GTGGACTCAC TTATTTAAAA TCCCTTTACC 400  
TGGATGGAAA CCAGCTACTA GAGATACCGC AGGGCCTCCC GCCTAGCTTA 450  
CAGCTTCTCA GCCTTGAGGC CAACAACATC TTTTCCATCA GAAAAGAGAA 500  
TCTAACAGAA CTGGCCAACA TAGAAATACT CTACCTGGGC CAAAATGTT 550  
ATTATCGAAA TCCTTGTTAT GTTTCATATT CAATAGAGAA AGATGCCTTC 600  
CTAAACTTGA CAAAGTTAAA AGTGCTCTCC CTGAAAGATA ACAATGTCAC 650  
AGCCGTCCCT ACTGTTTTGC CATCTACTTT AACAGAACTA TATCTCTACA 700  
ACAACATGAT TGCAAAAATC CAAGAAGATG ATTTTAATAA CCTCAACCAA 750  
TTACAAATTC TTGACCTAAG TGGAAATGTC CCTCGTTGT**T** ATAATGCCCC**C** 800 **Y264H P267L**  
ATTTCCTTGT GCGCCGTGTA AAAATAATTC TCCCCTACAG ATCCCTGTAA 850  
ATGCTTTTGA TCGCTGACA GAATTTAAAG TTTTACGTCT ACACAGTAAC 900  
TCTCTCAGC ATGTGCCCCC AAGATGGTTT AAGAACATCA ACAAATCCA 950

GGAAC TGGAT CTGTCCCAA ACTTCTTGGC CAAAGAAATT GGGGATGCTA 1000  
AATTTCTGCA TTTTCTCCCC AGCCTCATCC AATTGGATCT GTCTTTCAAT 1050  
TTTGAAC TTC AGGTCTATCG TGCATCTATG AATCTATCAC AAGCATTTTC 1100  
TTC ACTGAAA AGCCTGAAAA TTCTGCGGAT CAGAGGATAT GTCTTTAAAG 1150  
AGTTGAAAAG CTTTAACCTC TCGCCATTAC ATAATCTTCA AAATCTTGAA 1200  
GTTCTTGATC TTGGCACTAA CTTTATAAAA ATTGCTAACC TCAGCATGTT 1250  
TAAACAATTT AAAAGACTGA AAGTCATAGA TCTTTCAGTG AATAAAATAT 1300  
CACCTTCAGG AGATTCAAGT GAAGTTGGCT TCTGCTCAAA TGCCAGAACT 1350 P435S  
TCTGTAGAAA GTTATGAACC CCAGGTCC TG AACAATTAC ATTATTTTCAG 1400  
ATATGATAAG TATGCAAGGA GTTGCAGATT CAAAAACAAA GAGGCTTCTT 1450  
TCATGTCTGT TAATGAAAGC TGCTACAAGT ATGGGCAGAC CTTGGATCTA 1500  
AGTAAAAATA GTATATTTTT TGTCAAGTCC TCTGATTTTC AGCATCTTTC 1550 F506S F507S F507L  
TTTCCTCAAA TGCCTGAATC TGTCAGGAAA TCTCATTAGC CAAACTCTTA 1600 L528I  
ATGGCAGTGA ATTCCAACCT TTAGCAGAGC TGAGATATTT GGACTTCTCC 1650  
AACAAACCGGC TTGATTTACT CCATTCAACA GCATTTGAAG AGCTTCACAA 1700  
ACTGGAAGTT CTGGATATAA GCAGTAATAG CCATTATTTT CAATCAGAAG 1750  
GAATTACTCA TATGCTAAAC TTTACCAAGA ACCTAAAGGT TCTGCAGAAA 1800  
CTGATGATGA ACGACAATGA CATCTCTTCC TCCACCAGCA GGACCATGGA 1850  
GAGTGAGTCT CTTAGAACTC TGGAATTCAG AGGAAATCAC TTAGATGTTT 1900  
TATGGAGAGA AGGTGATAAC AGATACTTAC AATTATTCAA GAATCTGCTA 1950  
AAATTAGAGG AATTAGACAT CTCTAAAAAT TCCCTAAGTT TCTTGCCTTC 2000  
TGGAGTTTTT GATGGTATGC CTCCAAATCT AAAGAATCTC TCTTTGGCCA 2050  
AAAATGGGCT CAAATCTTTC AGTTGGAAGA AACTCCAGTG TCTAAAGAAC 2100  
CTGGAAACTT TGGACCTCAG CCACAACCAA CTGACCACTG TCCCTGAGAG 2150  
ATTATCCAAC TGTTCCAGAA GCCTCAAGAA TCTGATTCTT AAGAATAATC 2200  
AAATCAGGAG TCTGACGAAG TATTTTCTAC AAGATGCCTT CCAGTTGCGA 2250  
TATCTGGATC TCAGCTCAAA TAAAATCCAG ATGATCCAAA AGACCAGCTT 2300  
CCCAGAAAAT GTCCTCAACA ATCTGAAGAT GTTGCTTTTG CATCATAATC 2350

GGTTTCTGTG CACCTGTGAT GCTGTGTGGT TTGTCTGGTG GGTTAACCAT 2400  
ACGGAGGTGA CTATTCCCTA CCTGGCCACA GATGTGACTT GTGTGGGGCC 2450  
AGGAGCACAC AAGGGCCAAA GTGTGATCTC CCTGGATCTG TACACCTGTG 2500 G818Y  
AGTTAGATCT GACTAACCTG ATTCTGTTCT CACTTTCCAT ATCTGTATCT 2550  
CTCTTTCTCA TGGTGATGAT GACAGCAAGT CACCTCTATT TCTGGGATGT 2600  
GTGGTATATT TACCATTTCT GTAAGGCCAA GATAAAGGGG TATCAGCGTC 2650  
TAATATCACC AGACTGTTGC TATGATGCTT TTATTGTGTA TGACACTAAA 2700  
GACCCAGCTG TGACCGAGTG GGTTTTGGCT GAGCTGGTGG CCAAACCTGA 2750  
AGACCCAAGA GAGAAACATT TTAATTTATG TCTCGAGGAA AGGGACTGGT 2800  
TACCAGGGCA GCCAGTTCTG GAAAACCTTT CCCAGAGCAT ACAGCTTAGC 2850  
AAAAAGACAG TGTTTGTGAT GACAGACAAG TATGCAAAGA CTGAAAATTT 2900  
TAAGATAGCA TTTTACTTGT CCCATCAGAG GCTCATGGAT GAAAAAGTTG 2950  
ATGTGATTAT CTTGATATTT CTTGAGAAGC CCTTTCAGAA GTCCAAGTTC 3000  
CTCCAGCTCC GGAAAAGGCT CTGTGGGAGT TCTGTCCCTG AGTGGCCAAC 3050  
AAACCCGCAA GCTCACCCAT ACTTCTGGCA GTGTCTAAAG AACGCCCTGG 3100  
CCACAGACAA TCATGTGGCC TATAGTCAGG TGTTC AAGGA AACGGTCTAG  
CCCTTCTTTG CAAAACACAA CTGCCTAGTT TACCAAGGAG AGGCCTGGCT \*50  
GTTTAAATTG TTTTCATATA TATCACACCA AAAGCGTGTT TTGAAATTCT \*100  
TCAAGAAATG AGATTGCCCA TATTT CAGGG GAGCCACCAA CGTCTGTCAC \*150  
AGGAGTTGGA AAGATGGGGT TTATATAATG CATCAAGTCT TCTTTCTTAT \*200  
CTCTCTGTGT CTCTATTTGC ACTTGAGTCT CTCACCTCAG CTCCTGTAAA \*250  
AGAGTGGCAA GTAAAAACA TGGGGCTCTG ATTCTCCTGT AATTGTGATA \*300  
ATTAAATATA CACACAATCA TGACATTGAG AAGAACTGCA TTTCTACCCT \*350  
TAAAAAGTAC TGGTATATAC AGAAATAGGG TTAAAAAAA CTCAAGCTCT \*400  
CTCTATATGA GACCAAATG TACTAGAGTT AGTTTAGTGA AATAAAAAAC \*450  
CAGTCAGCTG GCCGGGCATG GTGGCTCATG CTTGTAATCC CAGCACTTTG \*500  
GGAGGCCGAG GCAGGTGGAT CACGAGGTCA GGAGTTTGAG ACCAGTCTGG \*550  
CCAACATGGT GAAACCCCGT CTGTACTAAA AATACAAAAA TTAGCTGGGC \*600

GTGGTGGTGG GTGCCTGTAA TCCCAGCTAC TTGGGAGGCT GAGGCAGGAG \*650  
AATCGCTTGA ACCCGGGGAGG TGGAGGTGGC AGTGAGCCGA GATCACGCCA \*700  
CTGCAATGCA GCCCGGGCAA CAGAGCTAGA CTGTCTCAA AGAACAAAAA \*750  
AAAAAAAACA CAAAAAACT CAGTCAGCTT CTTAACCAAT TGCTTCCGTG \*800  
TCATCCAGGG CCCCATTTCTG TGCAGATTGA GTGTGGGCAC CACACAGGTG \*850  
GTTGCTGCTT CAGTGCTTCC TGCTCTTTTT CCTTGGGCCT GCTTCTGGGT \*900  
TCCATAGGGA AACAGTAAGA AAGAAAGACA CATCCTTACC ATAAATGCAT \*950  
ATGGTCCACC TACAAATAGA AAAATATTTA AATGATCTGC CTTTATACAA \*1000  
AGTGATATTC TCTACCTTTG ATAATTTACC TGCTTAAATG TTTTATCTG \*1050  
CACTGCAAAG TACTGTATCC AAAGTAAAT TTCCTCATCC AATATCTTTC \*1100  
AAACTGTTTT GTTAACTAAT GCCATATATT TGTAAGTATC TGCACACTTG \*1150  
ATACAGCAAC GTTAGATGGT TTTGATGGTA AACCCATAAG GAGGACTCCA \*1200  
AGAGTGTGTA TTTATTTATA GTTTTATCAG AGATGACAAT TATTTGAATG \*1250  
CCAATTATAT GGATTCCTTT CATTTTTTGC TGGAGGATGG GAGAAGAAAC \*1300  
CAAAGTTTAT AGACCTTCAC ATTGAGAAAG CTTCAGTTTT GAACTTCAGC \*1350  
TATCAGATTC AAAACAACA GAAAGAACCA AGACATTCCT AAGATGCCTG \*1400  
TACTTTCAGC TGGGTATAAA TTCATGAGTT CAAAGATTGA AACCTGACCA \*1450  
ATTTGCTTTA TTTCATGGAA GAAGTGATCT ACAAAGGTGT TTGTGCCATT \*1500  
TGGAAAACAG CGTGCAATGTG TTCAAGCCTT AGATTGGCGA TGTCGTATTT \*1550  
TCCTCACGTG TGGCAATGCC AAAGGCTTTA CTTTACCTGT GAGTACACAC \*1600  
TATATGAATT ATTTCCAACG TACATTTAAT CAATAAGGGT CACAAATTC \*1650  
CAAATCAATC TCTGGAATAA ATAGAGAGGT AATTAAATTG CTGGAGCCAA \*1700

CTA

*TLR7* (NM\_016562.4) - cDNA - 2026-05-25

