



*ALPK1* (NM\_025144.4) - cDNA - 2026-03-12

GTTTATGAGA AACAGTGTGT TTCAGAGAGG CTGTACCAGA ATTA ACTCTG -204  
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AGAAGTTCCTT CTAAATCAGG AATGGATTGA AATCTAATGA ACCGAACTT -104  
TGGGTACTTC GGCCTTCAAG GGGCTCCTTT ATTGAGAATC AATGTCTTCT -54  
CCTAGGTAAT TGATCACCCCT AGACCCAGGG ACACCCAATT CATCGTAATC -4  
ATCATGAATA ATCAAAAAGT GGTAGCTGTG CTACTGCAAG AGTGCAAGCA 47  
AGTGCTGGAT CAGCTCTTGT TGGAAGCGCC AGATGTGTCG GAAGAGGACA 97  
AGAGCGAGGA CCAGCGCTGC AGAGCTTTAC TCCCCAGCGA GTTAAGGACC 147  
CTGATCCAGG AGGCAAAGGA AATGAAGTGG CCCTTCGTGC CTGAAAAGTG 197  
GCAGTACAAA CAAGCCGTGG GCCCAGAGGA CAAAACAAAC CTGAAGGATG 247  
TGATTGGCGC CGGGTTGCAG CAGTTACTGG CGTCCCTGAG GGCCTCCATC 297  
CTCGCTCGGG ACTGTGCGGC TCGGGCGGCT ATTGTGTTCT TGGTGGACCG 347  
GTTCTGTAT GGGCTCGACG TCTCTGGAAA ACTTCTGCAG GTCGCCAAAG 397  
GTCTCCACAA GTTGCAGCCA GCCACGCCAA TTGCCCCGCA GGTGGTTATT 447  
CGCCAAGCCC GAATCTCCGT GAACTCAGGA AACTTTTAA AAGCAGAGTA 497  
TATTCTGAGC AGTCTAATAA GCAACAATGG AGCAACGGGT ACCTGGCTGT 547  
ACAGAAATGA AAGTGACAAG GTCCCTGGTGC AGTCGGTCTG TATACAGATC 597  
AGAGGGCAGA TTCTGCAAAA GCTGGGGATG TGGTACGAAG CAGCAGAGTT 647  
AATATGGGCC TCCATTGTAG GATATTTGGC ACTTCCCTCAG CCGGATAAAA 697  
AGGGCCTCTC CA<sub>C</sub>GTCGCTA GGTATACTGG CAGACATCTT TGTTCCATG 747 **T237M**  
AGCAAGAACG ATT<sub>A</sub>TGAAAA GTTTAAAAAC AATCCACAAA TTAATTTGAG 797 **Y254C**  
CCTGCTGAAG GAGTTTGACC ACCATTTGCT GT<sub>C</sub>CGCTGCA GAAGCCTGCA 847 **S277E**

AGCTGGCAGC TGCCTTCAGT GCCTATACGC CGCTCTTCGT GCTCACAGCT 897  
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TCCTCCAGAA TTGAAAAACT TACATCTGTG TGAAGCCAAA GAGGCCTTTG 997  
AGATTGGCCT CCTCACCAAG AGAGATGATG AGCCTGTTAC TGGAAAACAG 1047 [c.1024G>C](#)  
GAGCTTCACA GCTTTGTCAA AGCTGCCTTC GGTCTCACCA CAGTGCACAG 1097  
AAGGCTCCAT GGGGAGACAG GGACGGTCCA TGCAGCAAGT CAGCTCTGTA 1147  
AGGAAGCAAT GGGGAAGCTG TACAATTTCA GCAC'TTCC'TC CAGAAGTCAG 1197  
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GTTGATCAGA AAGTTTTAC TACCAATTTT GGAAAGAGAG GAATTTTTTA 3647

CTTCTTTAAT AACCAGCATG TGAATGTAA TGAAATCTGC CATCGTCTTT 3697  
CTTTGACTAG ACCTTCAATG GAGAAACCAT GCACATAGAA TACGGCACAG \*12  
TCTGGTCCTT TGGGGCTTGG GCAGGGCCGT GACACAGGTT CTGGCCAATG \*62  
ATTTGCAAGA GGAATTGATC AGTATCACTT TAAGTCCTGC ATTTAATTGG \*112  
CAGCACAAGA TCCTGCAGAG CCTCTTTCCC TCTGCCACAG TTATCAAGAA \*162  
TGGGTCAGGA GACCGCTGCT TCTGGGCATA AGTCCTGCAA GGAAAGCAAC \*212  
ATGGAAAACA GCCCCAATC ACCCATGAGG GATGAAAAGC ACTCTTGAGA \*262  
AAGGCATGTG TTGTTTAAGC CATTGAGATT TTAGAGCTTT TTGTCACTAT \*312  
CTGTCAAGAC TGATACTACT GGGGCTTTTC CTATTGATTT GGGAGTTCTT \*362  
TACATATTAA AAAAATGTGA GCCTTTGTGA TACGAATTCA ATTTGTTTTC \*412  
CTGTCTTTTG ACATTTGACT TTGCATAAAA GTTTATCTGT GCATAATTTT \*462  
ATATGTAGTT GAATTCATCA ATCTTTTATT TTGTATGGCT TTTTGGTTAT \*512  
GTATAAFACT TAGATCCTCC TTATACTCTG AGTTTCTTTC TTTTAAATTC \*562  
TCCTGTATTT CCTTCTAGTA TAATTAATC TGTA AAAAGT AAGATGGAAG \*612  
AGTGGTACAG TTTTCTTTAT CCAGTCTGTC CTTGATGGGC ATTTAGGTAG \*662  
ACTGGATAAA GAAAATGTGG TACATATACA CCATGGAACA CTATGTGTAT \*712  
TAATCCACTC TCACACTGCT ATGAAGAGAT ACCTGAGACT GGGTAATTTA \*762  
GAAAGAAAAG AGGTTTAATT AACTCACAGT TCCACATGGC TGGGGAGACC \*812  
TCAGGAAACT TACAATCATG GCAGAAGGCA CCTCTTCATA GGGTAGCAGG \*862  
AGAGAGAATG AGTGCCAGCA GGGGAAATGC CAGATGCTTA TAAAGCCATC \*912  
AGATCTTGTG AGAATTCATT CACTCTCACG AGAACAGCAT GGGAAAAACT \*962  
GCC TCAATTA CCTCCTACCA GGTCC TTTCCC ATGACACATG GGAATTATGG \*1012  
GACTACAATT CGAGATGAGA TTTGGGTGGG GACACAAAGC CAAACCATAT \*1062  
CACAATGTAA CCATAAAAA GAATGAGATC ATGTCCTTTG CAGGGACATG \*1112  
GATAGAGCTG GAGGCCATTA TTTT TAGCAA ACTAATGCAA GAACAGAAAA \*1162  
CTAAATACCA CTTGTTCTCA CTTATAGGTG AGAGCTAAGT GATGAGAGTA \*1212  
GGTGGACACA TAGAGGGAAC AACACACACC AGGGCTTATC AGAGGGTGGGA \*1262  
CAGTGGGAGG AGGGAGAGGA TCAGGAAAAA TAACTAATGG GTACTAGGCT \*1312

GAATACCTGG GTGATGAAGT AATTCGCACA ACAAACCCCC ATGACACAAA \*1362

CCTGCACATG TACCCCTGAA CTTAAAATAA AAGTAAAAAA AAAAAATCA

*ALPK1* (NM\_025144.4) - cDNA - 2026-03-12

