



*LPIN2* (NM\_014646.2) - cDNA - 2026-03-03

GAGAAGAAGT GGCAGGTGAT GCTGAAGCGG GGGAGAAGCG GCAGAGCCGG -190  
CCACACAGTG CAGGGGATGG AGACAGGTGC TGGGCTGGTC CTCCTGCAGC -140 c.-173A>T  
ATCCTCAGTT GTTGGAGGGC AGTCATCCTC AGGCCGTACC CAGCCAGAGA -90  
AGAAAAAGAA CAGTGTGAAG CCACGTGTGA TAGCCGTCCA ACATCGGCTC -40  
TTCCCTCCAA TTACATTGTA GTTGATTGTG TCTCAAACCA TGAATTATGT 11  
GGGACAGCTG GCTGGGCAGG TGATTGTAC TGTGAAGGAA CTCTACAAGG 61  
GCATTAACCA GGCCACCCTC TCTGGGTGCA TTGATGTCAT CGTGGTACAG 111  
CAGCAGGATG GCAGCTATCA GTGTTACCT TTTACGTTT GGTGGGAAA 161 Q44Hfs\*13  
GCTGGGAGTC CTGAGATCCA AAGAGAAAGT GATTGATATA GAAATCAACG 211  
GCAGTGCAGT GGATCTTCAC ATGAAGTTGG GTGATAACGG AGAAGCTTTC 261  
TTTGTGAGG ARACTGAAGA AGAATATGAA AAGCTTCCTG CTTACCTTGC 311  
CACCTCACCA ATTCCACTG AAGATCAGTT CTTTAAAGAT ATTGACACCC 361  
CTTTGGTGAA ATCGGGTGGA GATGAAACAC CATCTCAGAG TTCAGACATC 411  
TCACACGTCT TGGAAACAGA GACAATTTTT ACTCCAAGTT CTGTGAAAAA 461  
GAAAAACGA AGGAGAAAGA AATACAAACA GGACAGTAAG AAGGAAGAGC 511  
AGGCCGCATC TGCTGCTGCA GAAGACACAT GTGATGTAGG CGTGAGCTCC 561 T180fs  
GATGATGACA AGGGGGCCCA GGCAGCACGA GGATCTTCAA ATGCTTCCTT 611  
GAAAGAAGAA GAATGTAAAG AGCCTTTGCT CTTCCATTCT GGGGATCATT 661  
ACCCCTTATC TGATGGAGAT TGGTCCCCCT TAGAGACCAC CTATCCCCAG 711  
ACAGCGTGTC CTAAGAGTGA TTCAGAGCTG GAGGTGAAAC CTGCGGAGAG 761  
CCTGCTCAGA TCAGAGTCTC ACATGGAGTG GACGTGGGGC GGATTCCCAG 811  
AGTCCACCAA GGTTCAGCAA AGAGAACGAT CTGACCATCA TCCTAGGACA 861 p.16kdel

GCTACAATTA CACCATCAGA AAATACTCAT TTTCGGGTAA TTCCCAGTGA 911 [R299W](#)  
GGACAACCTC ATCAGTGAAG TTGAGAAGGA TGC'TTCCATG GAAGACACTG 961  
TCTGTACCAT AGTGAAGCCC AAACCCAGAG CCC'TGGGTAC ACAGATGAGC 1011 [A331S](#)  
GACCCAACAT CTGTGGCAGA GCTTCTCGAA CCTCCTCTTG AGAGTACTCA 1061 [P348L](#)  
GATTTTCATCT ATGTTAGATG CTGACCACCT TCCCAACGCA GCCTTAGCGG 1111  
AGGCGCCCTC AGAATCCAAA CCGGCAGCTA AAGTAGACTC GCCGTCAAAG 1161 [K387E](#)  
AAGAAAGGTG TTCACAAAAG AAGCCAACAC CAGGGACCTG ATGATATTTA 1211  
CCTTGATGAC TTAAAGGGTC TAGAACCTGA AGTTGCAGCT CTTTATTTCC 1261  
CTAAAAGTGA ATCGGAGCCC GGT'TCCAGGC AGTGGCCCGA GTCTGACACA 1311 [G428S](#)  
CTCTCTGGCT CCCAGTCCCC ACAGTCCGTG GGAAGCGCAG CTGCAGATAG 1361 [p.Ser439Trpfs\\*15](#)  
CGGCACCGAG TGCCTCTCAG ATTCTGCCAT GGA'CTTGCCT GACGTTACCC 1411  
TCTCCCTTTG CGGGGGCCTC AGTGA<sup>AA</sup>ATG GAGAAATTTT AAAAGAAAAA 1461 [E486Kfs\\*20](#)  
TTCATGGAGC ATATCATTAC TTATCACGAA TTTGCAGAAA ACCCTGGACT 1511 [L504F](#)  
TATAGACAAT CCTAACCTTG TAATAAGGAT ATATAATCGT TACTATAACT 1561 [R517H](#)  
GGGCTTTGGC AGCTCCCATG ATCCTTAGCT TGCAAGTATT CCAGAAGAGC 1611  
TTGCCTAAGG CCACAGTTGA GTCC'TGGGTG AAAGACAAGA TGCCAAAGAA 1661  
ATCTGGTCGC TGGTGGTTTT GGCGAAAGAG AGAAAGCATG ACCAAACAGC 1711 [R562Q](#) [R564Kfs\\*3](#) [c.1691\\_1694delGAGA](#) [E565Kfs\\*15](#)  
TGCCAGAATC CAAGGAGGGA AAATCTGAGG CACCGCCAGC CAGTGACCTG 1761 [S579P](#)  
CCATCCAGCT CCAAGGAGCC GGCCGGTGCC AGGCCGGCCG AGAATGACTC 1811 [G596S](#) [P599L](#) [E601K](#)  
CTCGAGTGAC GAGGGATCAC AGGAGCTCGA AGAATCCATC ACAGTGGACC 1861  
CCATCCCCAC AGAGCCCCTG AGCCACGGCA GCACAAC'TTC ATATAAGAAG 1911 [P626S](#)  
TCTCTCCGCC TCTCCTCAGA CCAGATCGCA AAAC'TGAAGC TCCACGATGG 1961 [D644G](#) [G654D](#)  
CCCAAATGAT GTTGTGTTTA GTATTACAAC CCAGTATCAA GGCACCTGTC 2011  
GCTGTGCAGG GACCATTTAC CTGTGGAACT GGAATGACAA GATCATCATT 2061 [W681Gfs\\*14](#)  
TCTGATATTG ATGGGACAAT AACCAAGTGC GATGCTTTGG GACAGATTCT 2111  
CCCACAGCTG GGCAAAGACT GGACCCACCA GGGTATAGCA AAGCTCTACC 2161 [I716Vfs\\*2](#)  
ATTCCATCAA TGAGAATGGC TACAAGTTTC TGTACTGCTC GGCTCG TGCC 2211 [Y732Stop](#) [S734L](#) [R736C](#) [R736H](#)  
ATCGGCATGG CCGACATGAC CCGTGGCTAC CTGCACTGGG TCAATGACAA 2261 [A741A](#) [Y747\\*](#)

GGGCACAATC TTGCCCCGGG GCCCCCTGAT GCTGTCCCC AGCAGCTTGT 2311  
TCTCCGCCCT CCACAGAGAA GTGATAGAAA AGAAACCAGA GAAGTTCAAA 2361  
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CCTGAAGTGG ACCTGGATGA CCTGTCTTGA GGCGGCACCT CAGTGGGTGG \*20 c.\*3C>T  
GCAGGGCTTG GTCCCCCTCC CCACAGCAAG GGAAGGCAGC TGGCTCTTCT \*70  
GCTGACCTCA GATACCAGCC TTCCCCAGCG GGGACGGGTG CTTCTGGAGC \*120  
TGGTCCCGCC ATCCTCCTTT GCCTTCCCAG GCCAGCTGCT CAGGCTCGGC \*170  
AGGTCTGCAG CTCAGCTCCT GGAAGGAGAA GGGAGGAACT GGGCCTGGGG \*220  
CTGGAGGCCCT GGGATCCCTC CTTTGTGGGT CGCACACATG TTTCTGCTG \*270  
TGAGCTGGGG CCTCCTTCCA TTGCATCATT TTAAAGGAAG AAAAAAGCAG \*320  
CTAAAAAAGA GTGGACCAA ACACATGCACA CAGTGAAGTG TTCCAGTTTC \*370  
CACTGGGCAG TTGAGGTGGC TTCTGTAACC AGGGCTGTCT TCAGATGTCA \*420  
GGGTCCCTGA ACTGCTGCGG GCCCAGTCAG TGATGCTGGC TGAAGCTGCC \*470  
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CAGCTGCTCC AGTGGGCCAA GTTGGGCAGG ACCCCCGCCC CTGCAGGGCC \*570  
CATGCACCAG AGCCACTGAG CCCAGTCCCA TAAACCTGGC CCTCTTTGGG \*620  
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CCTTAATTTT TTAGTCCTCA CCAGAAGAAC AGGTCTCACA AGTATATATT \*720  
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CGCCCCGCC CCAACAATC TGCTTTTAGG GAGGCCTCCG AAATGCAGAT \*820  
AGGCGGTTGA GTGGGGTCCT GGAAGAGCG CTGAATCCCT CTGCTTGCTG \*870  
CCTGGTGTGG GCCTTTGGAA AGCATCTTGC CTTGGGACAG GATTTCTAAA \*920  
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CACTGGCCAG CAGTGTGTGA CTTTGGCTTT TGGGATCACA CCCTGTAATC \*1020  
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GACTGCCCCC CGAGCAGTGT CCCCAGCCTA GCCCTGTGAG ACCCCATGGG \*1120  
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CCTGTGTCTG CTAGCACTAG ACTTTGTTGC TGCAGATTGA TCCAGTGGGT \*2170  
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ACATCATCAG TACAGTACTC TTAGTTACAG TAAAGCAATT GTTGCAAGAT \*3220  
GAATGGCTAA TATTTTGGTG CAGTGTGTTGA TGTTCAAAAC AAAATGTTAC \*3270  
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