



ELF4 (NM_001421.4) - cDNA - 2026-07-02

ACTTCTCCTT TCGCCGGCGC CGAGTTCCTG GCGCCGCTCG CCCGGCCCCG -333
CTTCCGAGGG GAGAGGACGG GCTGGCGGGG CTGGGGACCC GCGTCTCGGC -283
CCCCGGAGCG GGGACCACGG AGACAGACCC CGGCCCGGCG ACCGAGCTGG -233
GCCCGTGAGC CACTCGGCCT CAGGTCGCTC CTGTGGTTGG TCCAGCCCAG -183
AATGCAGCCT TGAGCCTGGC TTAGGCCACC ACCTACTCCA GCTCTCTCCA -133
CCCCCTATTT TACTGCAGCT CAGGGGGTAG GCTCTAGGCT CCAAAGTACC -83
TGGGTATTGT CCCTTCATCA AGAAAGCCCC ACAGCTCTGG AGGGCTCTGA -33
TAATCCCATT GTCAGCTCTC TGAAAAGACA GCATGGCTAT TACCCTACAG 18
CCCAGTGACC TGATCTTTGA GTTCGCAAGC AACGGGATGG ATGATGATAT 68
CCACCAGCTG GAAGACCCCT CTGTGTTCCC AGCTGTGATC GTGGAGCAGG 118 [p.\(Q39X\)](#)
TACCCTACCC TGATTTACTG CATCTGTACT CGGGACTGGA GTTGGACGAC 168
GTTACAATG GCATCATAAC AGACGGGACC TTGTGCATGA CGCAGGATCA 218
GATCCTGGAA GGCAGTTTTT TGCTGACAGA TGACAATGAG GCCACCTCGC 268
ACACCATGTC AACCGCGGAA GTCTTACTCA ATATGGAGTC TCCCAGCGAT 318
ATCCTGGATG AGAAGCAGAT CTTCAGTACC TCCGAAATGC TTCCAGACTC 368 [p.L108fs*3](#) [p.E110Gfs*35](#)
GGACCCTGCA CCAGCTGTCA CTCTGCCCAA CTACCTGTTT CCTGCCTCTG 418
AGCCCGATGC CCTGAACAGG GCGGGTGACA CTAGTGACCA GGAGGGCAT 468 [p.\(G148Vfs*113\)](#) [p.\(H156Ifs*105\)](#)
TCTCTGGAGG AGAAGGCCCTC CAGAGAGGAA AGTGCCAAGA AGACTGGGAA 518
ATCAAAGAAG AGAATCCGGA AGACCAAGGG CAACCGAAGT ACCTCACCTG 568 [p.\(R185X\)](#)
TCACTGACCC CAGCATCCCC ATTAGGAAGA AATCAAAGGA TGGCAAAGGC 618
AGCACCATCT ATCTGTGGGA GTTCCTCCTG GCTCTTCTGC AAGACAGAAA 668 [p.\(W212C\)](#)
CACCTGTCCC AAGTACATCA AGTGGACCCA GCAGAGAGAAA GGCATCTTCA 718 [p.I229V](#) [I229M](#) [p.W231R](#) [p.\(R234X\)](#)

AACTGGTGGG CTCCAAAGCT GTGTCCAAGC TGTGGGGGAA GCAGAAAAAC 768 [p.\(S248F\)](#) [p.W251S](#)
AAGCCTGACA TGAACATATGA GACAATGGGG CGGGCACATA GATACTACTA 818
CCAAAGAGGC ATACTGGCCA AAGTGGGAAGG GCAGAGGCTG GTGTACCAGT 868
TTAAGGAGAT GCCCAAGGAC CTGGTGGTCA TTGAAGATGA GGATGAGAGC 918
AGCGAAGCCA CAGCAGCCCC ACCTCAGGCC TCCACGGCCT CTGTGGCCTC 968
TGCCAGTACC ACCCGGCGAA CCAGCTCCAG GGTCTCATCC AGATCTGCC 1018 [p.A339fs](#)
CCCAGGGCAA GGGCAGCTCT TCTTGGGAGA AGCCAAAAAT TCAGCATGTC 1068
GGTCTCCAGC CATCTGCGAG TCTGGAATTG GGACCGTCGC TAGACGAGGA 1118
GATCCCCACT ACCTCCACCA TGCTCGTCTC TCCAGCAGAG GGCCAGGTCA 1168
AGCTCACCAA AGCTGTGAGT GCATCTTCAG TGCCAGCAA CATCCACCTA 1218
GGAGTGGCCC CCGTGGGGTC GGGCTCGGCC CTGACCCTGC AGACGATCCC 1268
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GGTGGCAGCC CCAGGGGCTC CACTGATCTC CAGTGGCCTC CCCCAACTTC 1468
TGGCTGGGGC CAACCGTCCG ACCAACCCGG CGCCACCCAC GGTCACAGGG 1518
GCTGGACCAG CAGGGCCCAG CTCTCAGCCC CCTGGGACTG TCATTGCTGC 1568
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ATCCGAGCCT TCTGGGCAAC CAGACTTTGT CTCTCCCAG CCGCCCCACT 1818
GTTGGGCTGA CCCCAGTGGC TGAAC TTGAG CTCTCCTCAG GCTCAGGGTC 1868
CCTGCTGATG GCTGAGCCTA GTGTGACCAC ATCTGGGAGC CTTCTGACAA 1918
GATCCCCCAC CCCAGCCCCT TTCTCCCCAT TCAACCCTAC TTCCCTCATT 1968
AAGATGGAGC CCCATGACAT **ATAAGCAAAG** GGGTCAGGGC AAGTGTGACC *26
CACCAGGCAA AATTGAGCAG CATTTTCATA GGGACCGACT TCAGTAGCAC *76
ACCTGCCCTT GCATTTTCAGT GGGATGTCAA TACACTTGAC CCCAAGTCCC *126

CCGGCCCTGC CTGGTGTAC TGTGGCCAAA CAGTGCCAG CTTAAGCATC *176
CCTGGCATCA GACTATGGCC TTCAAGAGCA CTAGGGCATA TGCTTTTGGC *226
AGCATAACGG GCTGACTTGG TGATGGAGGG AAAAAGCCTT GAGCCAGGCA *276
GAAGTTTGTG GCCAGGGTTT GTGCAGCAGC TTTGTGAGAA GAGCCCTTCT *326
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CTATATGTGA ATATCCCTGT ATGTACTTGT GTGTACTTGT TGGTCTGTAT *426
CTTAGTTTCT TTGGGGAGGA CAGGGCTGTA GCTGTGAGGT CTTGTCTCCA *476
AGGGTGTGTG TATGTCTCCG TGGATCAGCC ACAGGGATAG GGATTTTGTT *526
TTTAAGGGAA AGCATTCCTCT AATTCCTTT GTTCATGCCG AGATTCAGTT *576
GCTCTGAGAC TATGGGGTAC AAGTTTGATC CTCCGAATCT GGAGATGTTG *626
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GGGGAAGATG CGCTCCTCAG GGACACAAAG GCCGAGTGGG GTAAAACCAC *726
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GACGGGGATG AAGTGCCCTC CAGCCTCAGA GCTAGCCACA AAGCCCCCAG *926
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ACCGGCCCCC CGCCAGACAA TAGCCTTTGC TGACACCCCA GCCTACTTCC *1026
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GCATCACTGC GGCTAGTCCG GCAGCGACCT AGATGGGGTC CACCCCATC *1126
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TGCAACTCAC CTCGAAGGCG GACCAGCCTG CCTCTGTGAT GACTGCAGCA *1226
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AGGGTCACCA TTAATAAAAA ATTTTGCATA AAGGTGCTGC ATGGGTGGG *1876
GTAGCCCCGC CCCACCTGA AAAC TGTTT CTGCCACCCC TACTCCAAC *1926
CCATGGAAAC TCATTGCTGG AAGGTCATCA ATGACCTCAT GGTGAAATCA *1976
AATGTCTTCT TCACAGTCT CGGGCCCCCG TGAGCCCACA CTAGCTGGGC *2026
TCTCCTGCAT CCCCATCAC CCTTCCGGG GCTGGTTCTT CACCTACCAC *2076
TTCCAACGTG GCTGTTCAAG AATCTCATCC ATTTTGGGCT CATTTTGGCT *2126
CCTCGGAGAT GGGTCCATA TCTAGAGCTC CAGTCCCAAC CTTTCTCTTA *2176
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TCGTTTGTGTT TTGAGTCAGA GTCTTGCTCT GTCGGCTGGA GTGCAGTGGT *2326
GCAATCTCGG TTCACTGCAA CCTCTGCCTC CCAGGCTCAA GTGATTCTCC *2376
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AGCTAATTTT TGTATTTTCA GTAGAGCCAG GGTTTCACCA TTTCGGCCAG *2476
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ACGTTCTGCA CATGTATCCC AGAACTTAAA GTATAATAAT AATAATAATA *2726
ATAATAATA TAATAATAAT AAAAATCAAG CAAACAAAA

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