

Product datasheet for **MC201277**

Elavl1 (NM_010485) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl1 (NM_010485) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elavl1
Synonyms:	2410055N02Rik; Hua; HUR; W91709
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016194 sequence for NM_010485
 CGCGCGGAGCGGGAGCCGCTCGGGGAGAGCGCGGACAACCAGGGTGTGGTGAGAGCTGGGGCGGGGGT
 TGGGACGCTGGCCGGCATGGCTGGAGGCTGCGCTCCGCAACCTTGAGGAACTGTGCGGCCCTCCCGCCC
 GTGTTCAAGTTATTATCGATAAAACAGCTGTCTGTAAACATAGTTGATCTCCTTGTATGAATATAGATTT
 TAAATAATAACAATGTCTAATGGTTATGAAGACCACATGGCGGAAGACTGCAGGGATGACATTGGGAGAA
 CGAATTTAATTGTCAACTACCTCCCTCAGAACATGACCCAAGAGGAACTACGAAGTCTGTTCAAGCAGCAT
 TGGCGAGGTTGAATCTGCAAAGCTTATTCGGGATAAAGTAGCAGGACACAGCTTGGGCTACGGTTTTGTG
 AACTATGTGACTGCAAAAGATGCAGAGAGCAATCAGCACACTGAACGGCTTGAGACTCCAGTCCAAAA
 CCATTAAGGTGTCATATGCTCGCCAAGCTCAGAGGTCATCAAAGATGCCAACTTATACATCAGTGGGCT
 CCCAAGGACCATGACACAGAAGGATGTGGAAGACATGTTTTCTCGGTTTGGGCGAATCATCAACTCCAGG
 GTCCTTGTGGATCAGACCACAGGTTTGTCCAGAGGGTTGCCTTATCCGGTTTGACAAACGGTCAGAAG
 CAGAAGAGGCAATTACCAGTTTCAATGGTCATAAACCCCAAGTTCTCCGAGCCCATCACAGTGAAGTT
 TGCAGCCAATCCCAACCAGAACAAAAACATGGCTCTCCTCTCGCAGCTGTACCACTCGCCTGCTAGGCGG
 TTTGGAGGCCCTGTACACCACCAGGCACAGAGATTGAGTTCTCCCTATGGGTGATAGTACATGAGTG
 GGATTTCTGGTGTCAATGTCGCCGCAATGCTTCTCGGGCTGGTGCATTTTATCTACAACCTTGGGCA
 AGACGCCGATGAGGGGATCCTCTGGCAGATGTTTGGCCCTTTGGTGCAGTTACCAATGTGAAAGTGATT
 CGTGATTTCAACCAACAAGTGCAAAGGGTTGGTTTTGTGACCATGACAACTATGAAGAAGTGCAA
 TGGCCATAGCAAGTCTGAACGGCTACCGCTGGGGACAAAAATTTACAGGTTTCTTTAAAAACCAAA
 GTCCCACAAAATACTCGCTCATGCTTTTTTTTTCTTTCTTTCTTTTTTTTTCTTTCTTTTTCTTT
 TTTTGTACGGAATAGATAATTAAGAGTGAAGAAGTTGAACTTTTTTGTAGTGTACAACATTTTTGCG
 CCAATTTTCAAGTGTTTGTCTTAGTCTAAATGAGAAGTGCAAAGGTTTTATACTCTGGGATGCAACC
 GACATGTTCAAATGCTTGAATCCCACAAATGTTAGACCAATTTAAGTTTCTTAAGTTATTTCTTTAA
 AGTATATATTAAGTGAACCGAAGTAGACTGCGCTGACTAACCAGTCACTCTGGACGGTGGTGGGACTG
 AAGCATGCTTTTTACTTCTAAGACTGTCTAACACCTGTTTCATCTGATGTCTCCACAGACTGGATTTAAAA
 CAAAACAAAAAAATTTTTTTTTAATTTCTTTGTTTTAGTTTTAACCTAAAGATGTTAGACAGATGGGG
 AGTGTGTTTTTTCTCAACTGCTTCACTATTTTAAACAATTTCTGCTTTAGGTGACAGGAAATTTGCCCTC
 CCCAGCAGTCCCCTGCTGCCCCCTGCCACTCAGTCCCAGCTCTATAGTGTGGGAGCAGCAGCAGGGC
 CCATATTCTGGGGCTCCCACAAGGGGAGATGGGAAGAGTTCCACATGTTGGGCTGAGCCAGGCCCTCCA
 GAGACACAAAAGGTGTTTTGTAAGCCCAGGCACCAATGAGAACGGACCAAAGAGTTTCAGGGCAGCTCCA
 GTATATCCAGAGTCAAACCTGAGCTCCAGGCATGCCTGAAGATGCCCCACTCCTCTGACATCCTGAGCG
 TCTGTCCACACATTGCATGCATGGTGCCACACATCAGATACTGTTGTTTCAATGCAACTTCCCAGTTTCC
 AAGACCATTTAACCCTAGCTTGAATGCACAACGATTGCTCTGTTTTAATGACACAGAAACATTTGAGCAT
 TGTATTTTCTCGCATCCCTTCTTGTGAGCACTAGACTTTTTCCAATCTTAGTCAGATTTTCTTTGAAAT
 TTTGCTTTTGTATGGCACTCAGCAGAAAAGTACTTCTTGCCAGTTATCTATTAACAAAATCCTTTGATT
 TGTAGTTTTAAGGATTAACCCTCAAAGTTCTTTCATAACTGCCTTGACGTTTGGGGTCTGTTCTGTTA
 ATTTTCTTTGCTTTTTTGTGTTTTTGTGTTTTTACTTTTGCATTTAAGACCATTAATTTGATTTT
 GTTTTGCTCGAAAAAATTTTTTTTT

Restriction Sites: RsrII-NotI

ACCN: NM_010485

Insert Size: 1146 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC016194](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1146 bp

Locus ID: 15568

UniProt ID: [P70372](#)

Cytogenetics: 8 2.0 cM

Gene Summary: RNA-binding protein that binds to the 3' UTR region of mRNAs and increases their stability. Involved in embryonic stem cells (ESCs) differentiation: preferentially binds mRNAs that are not methylated by N6-methyladenosine (m6A), stabilizing them, promoting ESCs differentiation (PubMed:24394384). Binds to poly-U elements and AU-rich elements (AREs) in the 3' UTR of target mRNAs. Binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA, and AUUUUUA motifs. Binds preferentially to the 5'-UUUU[AG]UUU-3' motif in vitro (By similarity). With ZNF385A, binds the 3' UTR of p53/TP53 mRNA to control their nuclear export induced by CDKN2A. Hence, may regulate p53/TP53 expression and mediate in part the CDKN2A anti-proliferative activity. May also bind with ZNF385A the CCNB1 mRNA (PubMed:21402775). Increases the stability of the leptin mRNA harboring an AU-rich element (ARE) in its 3' UTR (PubMed:27616329).[UniProtKB/Swiss-Prot Function]