

## Product datasheet for **SC117347**

### ELAVL2 (NM\_004432) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL2 (NM_004432) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELAVL2
Synonyms:	HEL-N1; HELN1; HUB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004432, the custom clone sequence may differ by one or more nucleotides

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ATGGAACACAACACTGTCTAATGGGCCAACTTGCAATAACACAGCCAATGGTCCAACCACCATAAACAAACA  
ACTGTTTCGTCACCAGTTGACTCTGGGAACACAGAAGACAGCAAGACCAACTTAATAGTCAACTACCTTCC  
TCAGAACATGACACAGGAGGAACTAAAGAGTCTCTTTGGGAGCATTGGTAAAATAGAGTCTGTAAGCTT  
GTAAGAGACAAAATAACAGGGCAGAGCTGGGATATGGCTTTGTGAACACATTGACCCCAAGGATGCAG  
AGAAAGCTATCAACACCCTGAATGGATTGAGACTTCAAACAAAACAATAAAAAGTTTCTATGCTCGCCC  
AAGTTCAGCTTCTATCAGAGATGCAAAATTTATATGTCAGCGGACTTCAAAAACAATGACCCAGAAGGAG  
TTGGAACAGCTTTTTTCACAATATGGACGCATTATTACTTCTCGTATTCTTGTCGACCAGGTCACCTGGCA  
TATCAAGGGGTGTAGGGTTTATTCGATTTGACAAGCGAATTGAGGCAGAAGAAGCTATCAAAGGCCTAAA  
TGGCCAGAAAACCTCCCGGTGCCACGGAGCCAATCACTGTAAAGTTTGCTAATAACCCAAGCCAAAAAAC  
AATCAGGCCATCCTTTCCAGCTGTACCAGTCTCCAAACAGAAGGTATCCAGGACCCTAGCTCAGCAGG  
CACAGCGTTTTAGGTTGGACAATCTGCTCAATATGGCTTATGGAGTAAAGAGGTTTTCTCCAATGACCAT  
TGACGGAATGACCAGTTTGGCTGGAATTAATATCCCTGGGCACCCTGGAACAGGGTGGTGTATTTGTG  
TACAACCTGGCTCCTGACGCAGATGAGAGTATCCTGTGGCAAATGTTTGGGCCTTTTGGAGCTGTACCA  
ATGTGAAGGTATCCGTGACTTTAACACCAATAAATGCAAAGTTTTGGATTTGTGACTATGACAAACTA  
TGATGAGGCTGCCATGGCGATAGCTAGCCTCAATGGATACCGTCTGGGAGACAGAGTACTGCAGGTCTCC  
TTTAAGACAAAACAAAACGCACAAAAGCCTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_004432 unedited NGGGGTGCAAATTTTGTAAACGACTACTATTAGGGCGGCCGGAATTCGCACGAGGCC CCCTATTTCTGTTCTTAGTTAGAGATGCAGCAGCTTACTCCTGTAGCGACCTACTAAAAA GCAACAAGGAGAAAGACATCGTCTTTTTGAAAAACGTTCTTTCGTCTCTTTTCTTTGTT CCTTGGTTTGTCTTTCTTGCCCCTTTTGTTTAGTTGAACGGCAATAGGAGGGTAGTCTC TCCGTCTTTTTAACTCTTTTTAAGTTGCCCTCCCCTTTCATATTTTTTTTCGCCATT TCTTTTAGCATTGGACTTTGGGGTCGAAAGCGTTCTTTTTATTGCTTCTTTAAGCCG AGCACAGTTTAGGTTTCGTGCTGCTTAAGAGAATCCAGCAGCTTCTTGCTCATCCT TATTGGGAGAAGTGCACCGTTACTTTAAAAACACACATACACAAAAACCTTAAGGGAGAA AGCAGGTAATTGCTGCCATGAAACACAAGTCTAATGGGCCAACTTGAATAACACAG CCAATGGTCCAAGTACCATAAACACAAGTTCGTCACCAAGTTGACTCTGGGAACACAG AAGACAGCAAGACCAACTAATAGTCAACTACCTTCTCAGAATGACACAGGAGGAAC TAAAGAGTCTCTTGGGAGCATTGGTGAATAGAGTCTGTAAGCTTGAAGAGACAAAA TAACAGGGCAGAGCTTGGGATATGGCTNTGTGAAGTACATTGACCCAGGATGCAGAGAA AGCTATCAACACCCTGAATGGATTGAGACTTCAAACCAACAATAAAAGTTTTCTATGCT CGCCCCAGTTAGCTTCTATCAGAGATGCCAATTTATATGTCAGCGGACTTCCAAAAACAT GACCCANNANGAGTNGNNACAGCTTTTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004432
<b>Insert Size:</b>	4200 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_004432.1</a> , <a href="#">NP_004423.1</a>
<b>RefSeq Size:</b>	2233 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	1993
<b>UniProt ID:</b>	<a href="#">Q12926</a>
<b>Cytogenetics:</b>	9p21.3
<b>Domains:</b>	RRM
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

In humans, the ELAV like RNA binding protein gene family has four members (ELAVL1-4). ELAVL RNA binding proteins recognize AU-rich elements in the 3' UTRs of gene transcripts and thereby regulate gene expression post-transcriptionally. The protein encoded by this gene binds to several 3' UTRs, including its own and also that of FOS, ID, and POU5F1. This gene encodes ELAVL2 and, like ELAVL3 and ELAVL4, is expressed specifically in neurons and primarily localizes to the cytoplasm. This protein also forms a cytosolic complex with the normally nuclear-localized ELAVL1 protein. Alternative splicing of this gene results in multiple transcript variants encoding distinct protein isoforms. [provided by RefSeq, Jul 2020]  
Transcript Variant: This variant (1) encodes isoform (a). Variants 1, 21, 22, 23, 24 and 25 encode the same protein (isoform a).