

## Product datasheet for **SC328556**

### ELAVL2 (NM\_001171195) Human Untagged Clone

#### Product data:

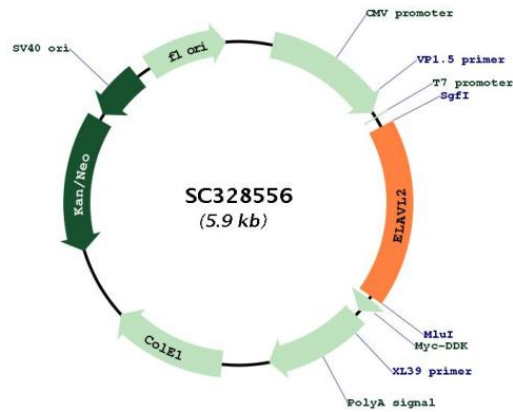
Product Type:	Expression Plasmids
Product Name:	ELAVL2 (NM_001171195) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELAVL2
Synonyms:	HEL-N1; HELN1; HUB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328556 representing NM_001171195. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACACAACCTGTCTAATGGGCCAACTTGCAATAACACAGCCAATGGTCCAACCACCATAAACAAAC
AACTGTTTCGTACCAGTTGACTCTGGGAACACAGAAGACAGCAAGACCAACTTAATAGTCAACTACCTT
CCTCAGAACATGACACAGGAGGAATAAGAGTCTCTTTGGGAGCATTGGTGAATAGAGTCTGTAAAG
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GCAGAGAAAGCTATCAACACCCTGAATGGATTGAGACTTCAAACAAAACAATAAAAGTTTCCTATGCT
CGCCCAAGTTCAGCTTCTATCAGAGATGCAAAATTTATATGTCAGCGGACTTCAAAAACAATGACCCAG
AAGGAGTTGGAACAGCTTTTTTCACAATATGGACGCATTACTTCTCGTATTCTGTGCGACCAGGTC
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GGCCTAAATGGCCAGAAACCTCCCGGTGCCACGGACCAATCACTGTAAGTTTGTCTAATAACCCAAAGC
CAAAAACCAATCAGGCCATCCTTTCCAGCTGTACCAGTCTCCAACAGAAAGGTATCCAGGACCGCTA
GCTCAGCAGGCACAGCGTTTTAGGTTTTCTCCAATGACCATTGACGGAATGACCAGTTTGGCTGGAATT
AATATCCCTGGGCACCCTGGAACAGGGTGGTGTATTTGTGTACAACCTGGCTCCTGACGCAGATGAG
AGTATCCTGTGGCAAATGTTTGGCCTTTTGGAGCTGTACCAATGTGAAGGTATCCGTGACTTTAAC
ACCAATAAATGCAAAGTTTTGGATTTGTGACTATGACAACTATGATGAGGCTGCCATGGCGATAGCT
AGCCTCAATGGATACCGTCTGGGAGACAGAGTACTGCAGGTCTCCTTTAAGACAAAACAAACGCACAAA
GCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001171195

**Insert Size:** 1041 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** [NM\\_001171195.1](#)

**RefSeq Size:** 3756 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 1993

UniProt ID: [Q12926](#)

Cytogenetics: 9p21.3

Protein Families: Transcription Factors

MW: 38 kDa

**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 (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 3 both encode the same isoform.