

Product datasheet for RC229918

ELAVL2 (NM_001171195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL2 (NM_001171195) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELAVL2
Synonyms:	HEL-N1; HELN1; HUB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229918 representing NM_001171195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACACAACCTGTCTAATGGGCCAACTTGCAATAACACAGCCAATGGTCCAACCACCATAAACAACA
ACTGTTTCGTACCAGTTGACTCTGGGAACAGAAAGACAGCAAGACCAACTTAATAGTCAACTACCTTCC
TCAGAACATGACACAGGAGGAACCTAAAGAGTCTCTTTGGGAGCATTGGTGAATAGAGTCTGTAAGCTT
GTAAGAGACAAAATAACAGGGCAGAGCTTGGGATATGGCTTTGTGAACACTACATTGACCCCAAGGATGCAG
AGAAAGCTATCAACACCCTGAATGGATTGAGACTTCAAACCAAAACAATAAAAGTTTCCTATGCTCGCCC
AAGTTCAGCTTCTATCAGAGATGCAAATTTATATGTCAGCGGACTTCAAACCAAAACAATGACCCAGAAGGAG
TTGGAACAGCTTTTTTCACAATATGGACGCATTATTACTTCTCGTATTCTTGTGCGACCAGGTCACTGGCA
TATCAAGGGGTGTAGGGTTTATTCGATTGACAAGCGAATTGAGGCAGAAGAAGCTATCAAGGCCTAAA
TGGCCAGAAACCTCCCGGTGCCACGGAGCCAATCACTGTAAAGTTTGCTAATAACCCAAGCCAAAAAAC
AATCAGGCCATCCTTTCCAGCTGTACCAGTCTCAAACAGAAAGGTATCCAGGACCGCTAGCTCAGCAGG
CACAGCGTTTTAGGTTTTCTCCAATGACCATTGACGGAATGACCAGTTTGGCTGGAATTAATATCCCTGG
GCACCTTGAACAGGGTGGTGTATTTGTGTACAACCTGGCTCCTGACGCAGATGAGAGTATCCTGTGG
CAAATGTTTGGCCTTTTGGAGCTGTACCAATGTGAAGGTATCCCGTGACTTTAACACCAATAAATGCA
AAGGTTTTGGATTGTGACTATGACAAACTATGATGAGGCTGCCATGGCGATAGCTAGCCTCAATGGATA
CCGTCTGGGAGACAGAGTACTGCAGGTCTCCTTTAAGACAAACAAAACGCACAAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229918 representing NM_001171195
Red=Cloning site Green=Tags(s)

METQLSNGPTCNNTANGPTTINNNCSSPVDSGNTEDSKTNLIVNYLPQNMTEELKSLFGSIGEIESCKL
 VRDKITGQSLGYGFVNYIDPKDAEKAINTLNGLRLQTKTIKVSYPSSASIRDANLYVSGLPKMTQKE
 LEQLFSQYGRIITSRILVDQVTGISRGVGFIRFDKRIEAEAAIKGLNGQKPPGATEPITVKFANNPSQKT
 NQAILSQLYQSPNRRYPGPLAQQAQRFRRFSPMTIDGMTSLAGINIPGHPGTGWCIFVYNLAPDADESILW
 QMFGPFGAVTNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIAASLNGYRLGDRVLQVSFKTNKTHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1560_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001171195

ORF Size: 1038 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001171195.2](#)

RefSeq ORF: 1041 bp

Locus ID: 1993

UniProt ID: [Q12926](#)

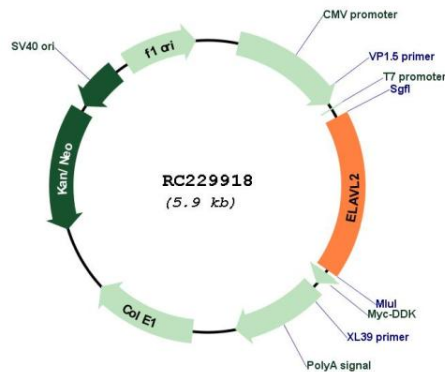
Cytogenetics: 9p21.3

Protein Families: Transcription Factors

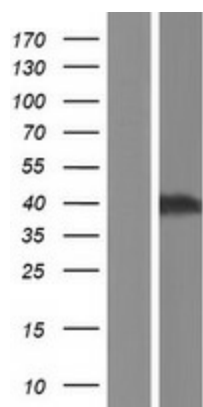
MW: 38.5 kDa

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]

Product images:



Circular map for RC229918



Western blot validation of overexpression lysate (Cat# [LY432918]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).