

Product datasheet for **RG218975**

ELAVL2 (NM_004432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL2 (NM_004432) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELAVL2
Synonyms:	HEL-N1; HELN1; HUB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218975 representing NM_004432 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACACAACCTGTCTAATGGGCCAACTTGCAATAACACAGCCAATGGTCCAACCACCATAAACAAACA
ACTGTTTCGTACCAGTTGACTCTGGGAACAGAAAGACAGCAAGACCAACTTAATAGTCAACTACCTTCC
TCAGAACATGACACAGGAGGAATAAGAGTCTCTTTGGGAGCATTGGTGAATAGAGTCTGTAAAGCTT
GTAAGAGACAAAATAACAGGGCAGAGCTTGGGATATGGCTTTGTGAACACATTGACCCCAAGGATGCAG
AGAAAGCTATCAACACCCTGAATGGATTGAGACTTCAAACCAAAACAATAAAAGTTTCCTATGCTCGCCC
AAGTTCAGCTTCTATCAGAGATGCAAATTTATATGTCAGCGGACTTCAAACCAAAACAATAAAAGTTTCCTATGCTCGCCC
TTGGAACAGCTTTTTTCAACAATATGGACGCAATATTACTTCTCGTATTCTTGTGCGACCAGGTCACTGGCA
TATCAAGGGGTGTAGGGTTTATTCGATTGACAAGCGAATTGAGGCAGAAGAAGCTATCAAGGCCTAAA
TGGCCAGAAAACCTCCCGGTGCCACGGAGCCAATCACTGTAAAGTTTGCTAATAACCAAGCCAAAAAACC
AATCAGGCCATCCTTTCCAGCTGTACCAGTCTCAAACAGAAAGGTATCCAGGACCGCTAGCTCAGCAGG
CACAGCGTTTTAGGTTGGACAATCTGCTCAATATGGCTTATGGAGTAAAGAGGTTTTCTCCAATGACCAT
TGACGGAATGACCAGTTTGGCTGGAATTAATATCCCTGGGCACCCTGGAACAGGGTGGTGTATATTTGTG
TACAACCTGGCTCCTGACGCAGATGAGAGTATCCTGTGGCAAATGTTTGGCCCTTTTGGAGCTGTCAACA
ATGTGAAGGTCATCCGTGACTTTAACACCAATAAATGCAAAGGTTTTGGATTTGTGACTATGACAAACTA
TGATGAGGCTGCCATGGCGATACGTAGCCTCAATGGATACCGTCTGGGAGACAGAGTACTGCAGGTCTCC
TTTAAGACAAAACAAACGCACAAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218975 representing NM_004432
 Red=Cloning site Green=Tags(s)

METQLSNGPTCNNTANGPTTINNNCSSPVDSGNTEDSKTNLIVNYLPQNMTQEELKSLFGSIGEIESCKL
 VRDKITGQSLGYGFVNYIDPKDAEKAINTLNGLRLQTKTIKVSYPSSASIRDANLYVSGLPKTMTOKE
 LEQLFSQYGRIITSRILVDQVTGISRGVGFIKDKRIEAEAAIKGLNGQKPPGATEPITVKFANNPSQKT
 NQAILSQLYQSPNRRYPGPLAQQAQRFRLDNLLNMAYGVKRFSPMTIDGMTSLAGINIPGHPGTGWCIFV
 YNLAPDADESILWQMFPGFVAVTNVKVIRDFNTNKCKGFVMTMTNYDEAAMAIRSLNGYRLGDRVLQVS
 FKTNKTHKA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004432

ORF Size: 1077 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_004432.1](#), [NP_004423.1](#)

RefSeq Size: 2233 bp

RefSeq ORF: 1080 bp

Locus ID: 1993

UniProt ID: [Q12926](#)

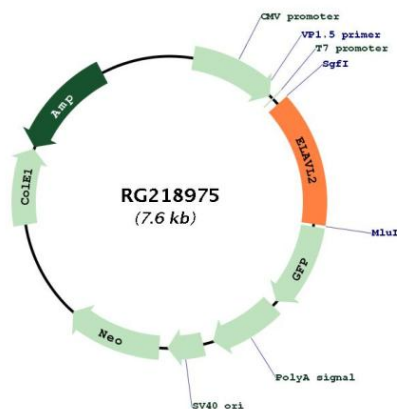
Cytogenetics: 9p21.3

Domains: RRM

Protein Families: 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]

Product images:



Circular map for RG218975