

Product datasheet for **RG229919**

ELAVL2 (NM_001171197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL2 (NM_001171197) 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:	>RG229919 representing NM_001171197 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACACAACCTGTCTAATGGGCCAACTTGCAATAACACAGCCAATGGTCCAACCACCATAAACAAACA
ACTGTTTCGTCACCAGTTGACTCTGGGAACACAGAAGACAGCAAGACCAACTTAATAGTCAACTACCTTCC
TCAGAACATGACACAGGAGGAATAAGAGTCTCTTTGGGAGCATTGGTGAATAGAGTCTGTAAGCTT
GTAAGAGACAAAATAACAGGGCAGAGCTTGGGATATGGCTTTGTGAACACTACATTGACCCCAAGGATGCAG
AGAAAGCTATCAACACCCTGAATGGATTGAGACTTCAAACCAAAACAATAAAAGTTTCCTATGCTCGCCC
AAGTTCAGCTTCTATCAGAGATGCAAATTTATATGTCAGCGGACTTCAAAAACAATGACCCAGAAGGAG
TTGGAACAGCTTTTTTCACAATATGGACGCAATTAATTCTCTCGTATTCTTGTGACCCAGGTCAGTGGCA
TATCAAGGGGTGTAGGGTTTATTCGATTTGACAAGCGAATTGAGGCAGAAGAAGCTATCAAGGCCTAAA
TGGCCAGAAACCTCCCGGTGCCACGGAGCCAATCACTGTAAAGTTTGCTAATAACCCAAGCCAAAAAAC
AATCAGGCCATCCTTTCCAGCTGTACCAGTCTCAAACAGAAAGGTATCCAGGACCGCTAGCTCAGCAGG
CACAGCGTTTTAGGTTTTCTCCAATGACCATTGACGGAATGACCAGTTTGGCTGGAATTAATATCCCTGG
GCACCTTGAACAGGGTGGTGTATTTGTGTACAACCTGGCTCCTGACGCAGATGAGAGTATCCTGTGG
CAAATGTTTGGCCTTTTGGAGCTGTACCAATGTGAAGTTCATCCGTGACTTTAACACCAATAAATGCA
AAGGTTTTGGATTTGTGACTATGACAAACTATGATGAGGCTGCCATGGCGATAGCTAGCCTCAATGGATA
CCGTCTGGGAGACAGAGTACTGCAGTCTCCTTTAAGACAAACAAAACGCACAAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229919 representing NM_001171197
Red=Cloning site Green=Tags(s)

METQLSNGPTCNNTANGPTTINNNCSSPVDSGNTEDSKTNLIVNYLPQNMTEELKSLFGSIGEIESCKL
 VRDKITGQSLGYGFVNYIDPKDAEKAINTLNGLRLQTKTIKVSYPSSASIRDANLYVSGLPKMTMQKE
 LEQLFSQYGRIITSRILVDQVTGISRGVGFIRFDKRIEAEAAIKGLNGQKPPGATEPITVKFANNPSQKT
 NQAILSQLYQSPNRRYPGLAQQAQRFSPMTIDGMTSLAGINIPGHPGTGWCIFVYNLAPDADESILW
 QMFGPFGAVTNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIASLNGYRLGDRVLQVSFKTNKTHKA

TRTRPLE - GFP Tag - V

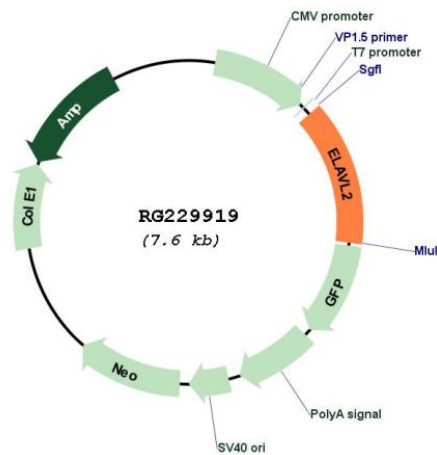
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001171197

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:	<ol style="list-style-type: none">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_001171197.2
RefSeq Size:	3769 bp
RefSeq ORF:	1041 bp
Locus ID:	1993
UniProt ID:	Q12926
Cytogenetics:	9p21.3
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]