

Product datasheet for **RG218612**

ELAVL4 (NM_021952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL4 (NM_021952) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELAVL4
Synonyms:	HUD; PNEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218612 representing NM_021952 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCAATACAAGCAATGGAC
CCTCCAGCAACAACAGAACTGTCCTTCTCCCATGCAAACAGGGGCAACCACAGATGACAGCAAAACCAA
CCTCATCGTCAACTATTTACCCAGAATATGACCCAAGAAGAATTCAGGAGTCTCTCGGGAGCATTGGT
GAAATAGAATCCTGCAAACCTGTGAGAGACAAAATTACAGGACAGAGTTAGGGTATGGATTGTAACT
ATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGACAAAACCAT
AAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTATGTTAGCGGCCTTCCC
AAAACCATGACCCAGAAGGAACTGGAGCAACTTTCTCGCAATACGGCCGTATCATCACCTCACGAATCC
TGGTTGATCAAGTCACAGGAGTGTCCAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGATTGAGGCAGA
AGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCAGCGGTGCTACGGAACCGATTACTGTGAAGTTTGCC
ACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTTACCAGTCCCCTAACCGGCCGTACC
CAGGTCCACTTCACCACCAGGCTCAGAGGTTCAGGCTGGACAATTTGCTTAATATGGCCTATGGCGTAAA
GAGACTGATGTCTGGACCAGTCCCCCTTCTGCTTGTTCGCCAGTTCTCCCAATTACCATTGATGGA
ATGACAAGCCTTGTGGGAATGAACATCCCTGGTCACACAGGAACGGGTGGTGCATCTTTGTCTACAACC
TGTCCCCGATTCCGATGAGAGTGTCTCTGGCAGCTCTTTGGCCCTTTGGAGCAGTGAACAACGTAAA
GGTGATTCTGACTTCAACACCAACAAGTGCAAGGGATTTCGGCTTTGTACCATGACCAACTATGATGAG
GCGGCCATGGCCATCGCCAGCCTCAACGGGTACCGCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAA
CCAACAAAGCCACAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218612 representing NM_021952
 Red=Cloning site Green=Tags(s)

MVMIISTMEPQVSNQPTSNTSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTEEFRSLFGSIG
 EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYPSSASIRDANLYVSGLP
 KTMTQKELEQLFSQYGRITTSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPITVKFA
 NNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLNLMAYGVKRLMSGPVPSPACSAPRFSPTIDG
 MTSLVGMNIPGHTGTGWCIFVYNLSPDSESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGVMTMTNYDE
 AAMAIASLNGYRLGDRVLQVSFKTNKAHKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021952

ORF Size: 1140 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_021952.2](#), [NP_068771.1](#)

RefSeq Size: 1591 bp

RefSeq ORF: 1143 bp

Locus ID: 1996

UniProt ID: [P26378](#)

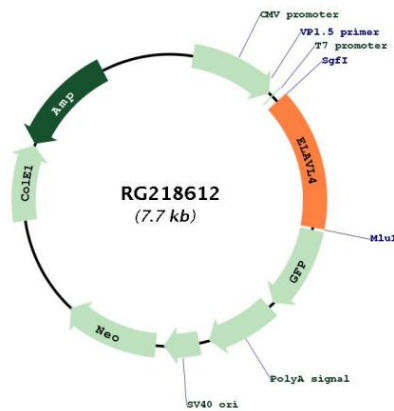
Cytogenetics: 1p33-p32.3

Domains: RRM

Protein Families: Druggable Genome

Gene Summary: May play a role in neuron-specific RNA processing. Protects CDKN1A mRNA from decay by binding to its 3' UTR (By similarity). Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF and FOS mRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218612