

Product datasheet for **MG227312**

Elavl4 (NM_001163399) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Elavl4 (NM_001163399) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Elavl4 |
| Synonyms: | Elav; Hud; PNEM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG227312 representing NM_001163399 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTGGAAATGGCTTGAAGATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCA
ATACAAGCAATGGACCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAGACAGGCGCCGACAG
TGACAGCAAAACCAACCTCATCGTCAACTATTTACCCAGAAATATGACCCAAGAGGAATTCAGGAGTCTC
TTTGGGAGCATTGGTGAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGT
ATGGATTTGTTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACT
CCAGACCAAAACCATAAAGGTGTCTACGCCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTAT
GTTAGTGGCCTTCCCAAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTTCTCTCAATACGGTCGCATCA
TCACCTCACGCATCCTGGTTGATCAAGTCACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAA
GAGGATTGAGGCAGAAGAAGCCATCAAAGGACTGAATGGCCAGAAGCCAGCGGTGCTACAGAACCATT
ACTGTGAAGTTTGCCAACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCC
CCAACAGGCGATACCCTGGCCCTCTCCACCACCAGGCTCAAAGATTCAGGCTGGACAATTTGCTTAATAT
GGCCTATGGCGTAAAGAGTTCTCCCAATCACCATTGACGGGATGACAAGTCTTGTGGGAATGAACATC
CCTGGTCCACACAGGGACAGGCTGGTGCATCTTCGTCATAAACCTGTCCCCTGATTCTGATGAGAGTGTCC
TCTGGCAGCTCTTTGGCCCTTTGGCGCAGTGAACAACGTCAAGGTCATCCGTGACTTCAACACCAACAA
GTGCAAGGGATTTCGGCTTCGTCACCATGACCAACTACGATGAGGAGCCATGGCCATCGCCAGCCTCAAT
GGCTATCGCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAACCAACAAAGCCACAAATCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227312 representing NM_001163399
 Red=Cloning site Green=Tags(s)

MEWNLKMIISTMEPQVSNPSTNTSNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSL
 FGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNLRLQTKTIKVSYPSSASIRDANLY
 VSGLPKTMTQKELEQLFSQYGRITTSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPI
 TVKFANNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLLNMAYGVKRFSPITIDGMTSLVGMNI
 PGHTGTGWCIFVYVNLSPDSESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVMTNYDEAAMAIASLN
 GYRLGDRVLQVSFKTNKAHKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163399

ORF Size: 1113 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_001163399.1](#), [NP_001156871.1](#)

RefSeq Size: 4052 bp

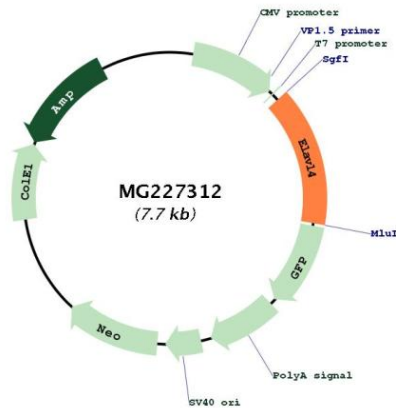
RefSeq ORF: 1116 bp

Locus ID: 15572

Cytogenetics: 4 51.42 cM

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

Product images:



Circular map for MG227312