

## Product datasheet for MR227312

### Elavl4 (NM\_001163399) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl4 (NM_001163399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elavl4
Synonyms:	Elav; Hud; PNEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227312 representing NM_001163399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTGGAAATGGCTTGAAGATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCA  
ATACAAGCAATGGACCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAGACAGGCGCCGCACAGA  
TGACAGCAAAACCAACCTCATCGTCAACTATTTACCCAGAAATATGACCCAAGAGGAATTCAGGAGTCTC  
TTTGGGAGCATTGGTGAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGT  
ATGGATTTGTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACT  
CCAGACCAAAACCATAAAGGTGTCTACGCCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTAT  
GTTAGTGGCCTTCCCAAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTTCTCTCAATACGGTCCGATCA  
TCACCTCACGCATCCTGGTTGATCAAGTCACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAA  
GAGGATTGAGGCAGAAGAAGCCATCAAAGGACTGAATGGCCAGAAGCCCAGCGGTGCTACAGAACCATT  
ACTGTGAAGTTTGCCAACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCC  
CCAACAGGCGATACCCTGGCCCTCTCCACCACCAGGCTCAAAGATTCAGGCTGGACAATTTGCTTAATAT  
GGCCTATGGCGTAAAGAGTTCTCCCAATCACCATTGACGGGATGACAAGTCTTGTGGGAATGAACATC  
CCTGGTCACACAGGGACAGGCTGGTGCATCTTCGTCATAAACCTGTCCCCTGATTCTGATGAGAGTGTCC  
TCTGGCAGCTCTTTGGCCCTTTGGCGCAGTGAACAACGTCAAGGTCATCCGTGACTTCAACACCAACAA  
GTGCAAGGGATTTCGGCTTCGTCACCATGACCAACTACGATGAGGCAGCCATGGCCATCGCCAGCCTCAAT  
GGCTATCGCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAACCAACAAAGCCACAAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR227312 representing NM\_001163399  
 Red=Cloning site Green=Tags(s)

MEWNLKMIISTMEPQVSNPSTNSNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSL  
 FGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNLRLQTKTIKVSYPSSASIRDANLY  
 VSGLPKTMTQKELEQLFSQYGRITSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPI  
 TVKFANNPSQKSSQALLSQLYQSPNRRYPGLHHQAQRFRLDNLLNMAYGVKRFSPITIDGMTSLVGMNI  
 PGHTGTGWCIFVYNLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIASLN  
 GYRLGDRVLQVSFKTNKAHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

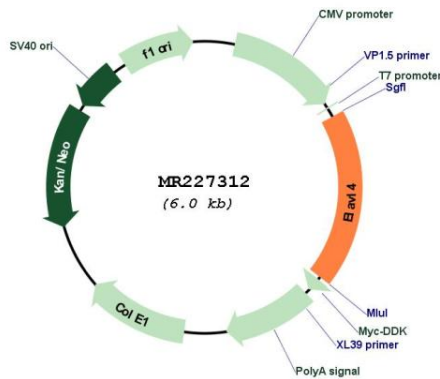
**Locus ID:** 15572

**Cytogenetics:** 4 51.42 cM

**MW:** 41.4 kDa

**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 MR227312