

## Product datasheet for MR227305

### Elavl4 (NM\_001163397) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl4 (NM_001163397) 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:	>MR227305 representing NM_001163397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCTCCAGAACCAGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCAATACAA  
GCAATGGACCCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAGACAGGCCGCCACAGATGACAG  
CAAAACCAACCTCATCGTCAACTATTTACCCAGAAATGACCCAAGAGGAATTCAGGAGTCTCTTTGGG  
AGCATTGGTGAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGTATGGAT  
TTGTAACTATATTGATCCAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGAC  
CAAAACCATAAAGGTGTCTACGCCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTATGTTAGT  
GGCCTTCCAAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTTCTCAATACGGTCGCATCATCACCT  
CACGCATCCTGGTTGATCAAGTCACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGAT  
TGAGGCAGAAGAAGCCATCAAAGGACTGAATGGCCAGAAGCCAGCGGTGCTACAGAACCATTACTGTG  
AAGTTTGCCAACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCCCAACA  
GGCGATACCCTGGCCCTCTCCACCACAGGCTCAAAGATTCAGGTTCTCCCAATCACCAATTGACGGGAT  
GACAAGTCTTGTGGGAATGAACATCCCTGGTCACACAGGGACAGGCTGGTGCATCTTCGTCTATAACCTG  
TCCCCTGATTCTGATGAGAGTCTCTGTCAGCTCTTTGGCCCTTTGGCGCAGTGAACAACGTCAAGG  
TCATCCGTGACTTCAACCAACAAGTGAAGGATTTCGGCTTCGTACCATGACCAACTACGATGAGGC  
AGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGACAGAGTGTGCAAGTTTCTTTAAACC  
AACAAAGCCACAAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR227305 representing NM\_001163397  
 Red=Cloning site Green=Tags(s)

MRLQNQIISTMEPQVSNQPTSNSTNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSLFG  
 SIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINLNLRLQTKTIKVSYPSSASIRDANLYVS  
 GLPKTMTQKELEQLFSQYGRIITSRILVDQVTGVSQVGFIRFDKRIEAEAAIKLNGQKPSGATEPITV  
 KFANNPSQKSSQALLSQLYQSPNRRYPGLHHQAQRFRFSPITIDGMTSLVGMNIPGHTGTGWCIFVYNL  
 SPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIASLNGYRLGDRVLQVSFKT  
 NKAHKS

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\_001163397

**ORF Size:** 1068 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\\_001163397.1](#), [NP\\_001156869.1](#)

**RefSeq Size:** 3763 bp

**RefSeq ORF:** 1071 bp

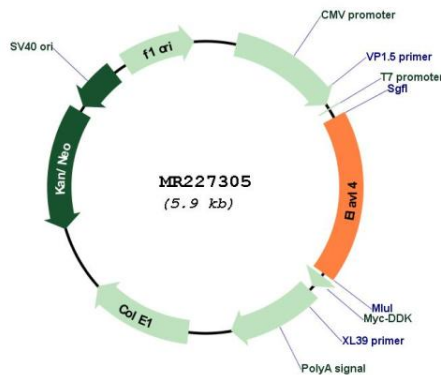
**Locus ID:** 15572

**Cytogenetics:** 4 51.42 cM

**MW:** 39.7 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 MR227305