

Product datasheet for **MR206481**

Elavl4 (BC048159) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl4 (BC048159) 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:	>MR206481 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTGGAAATGGCTTGAAGATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCA
ATACAAGCAATGGACCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAGACAGGCGCCGCCACAGA
TGACAGCAAAACCAACCTCATCGTCAACTATTTACCCAGAATATGACCCAAGAGGAATTCAGGAGTCTC
TTTGGGAGCATTGGTGAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGT
ATGGATTTGTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACT
CCAGACCAAAACCATAAAGGTGTCTACGCCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTAT
GTTAGTGGCCTTCCCAAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTTCTCTCAATACGGTCGCATCA
TCACCTCACGCATCCTGGTTGATCAAGTCACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAA
GAGGATTGAGGCAGAAGAAGCCATCAAAGGACTGAATGGCCAGAAGCCCAGCGGTGCTACAGAACCATT
ACTGTGAAGTTTGCCAACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCC
CCAACAGGCGATACCCTGGCCCTCTCCACCACCAGGCTCAAAGATTGAGGCTGGACAATTTGCTTAATAT
GGCCTATGGCGTAAAGAGACTGATGTCTGGACCAGTCCCCCTTCTGCTGTCCCCCAGGTTCTCCCCA
ATCACCATGACGGGATGACAAGTCTTGTGGGAATGAACATCCCCTGGTCACACAGGACAGGCTGGTGCA
TCTTCGTCTATAACCTGTCCCCTGATTCTGATGAGAGTGTCTCTGGCAGCTCTTTGGCCCTTTGGCGC
AGTGAACAACGTCAAGGTCATCCGTGACTTCAACACCAACAAGTGAAGGATTGCGCTTCGTCACCATG
ACCAACTACGATGAGGCAGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGACAGAGTGTTC
AAGTTTCCATGACCAACTACGATGAGGCAGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGA
CAGAGTGTGCAAGTTTCTTTAAACCAACAAGCCACAAATCC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206481 protein sequence
Red=Cloning site Green=Tags(s)

MEWNLKMIISTMEPQVSNQPTSNTSNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSL
 FGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYARPSSASIRDANLY
 VSGLPKTMTQKELEQLFSQYGRITTSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPI
 TVKFANNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLLNMAVGVKRLMSGPVPSSACPPRFSP
 ITIDGMTSLVGMNIPGHTGTWCIFVYNLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGVVTM
 TNYDEAAMAIAASLNGYRLGDRVLQVSMNTYDEAAMAIAASLNGYRLGDRVLQVSFKTNKAHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC048159

ORF Size: 1236 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: [BC048159](#), [AAH48159](#)

RefSeq Size: 3425 bp

RefSeq ORF: 1238 bp

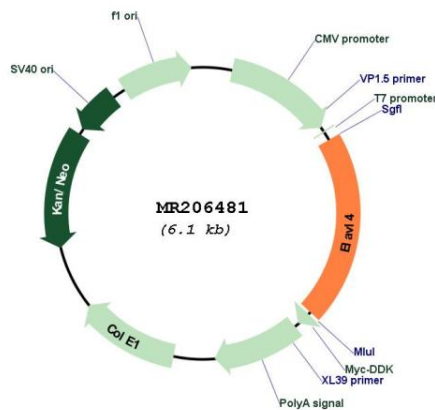
Locus ID: 15572

Cytogenetics: 4 51.42 cM

MW: 45.3 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 MR206481