

Product datasheet for MR227075

Elavl4 (NM_001038698) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl4 (NM_001038698) 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:	>MR227075 representing NM_001038698 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGGTTATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCAATACAAGCAATGGAC
CCTCCAGCAACAACAGAACTGTCCTTCTCCCATGCAGACAGGCGCCGCCACAGATGACAGCAAAACCAA
CCTCATCGTCAACTATTTACCCAGAATATGACCCAAGAGGAATTCAGGAGTCTCTTTGGGAGCATTGGT
GAAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGTATGGATTGTTAACT
ATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGACAAAACCAT
AAAGGTGTCTACGCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTATGTTAGTGGCCTTCCC
AAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTCTCTCAATACGGTCCGATCATCACCTCACGCATCC
TGGTTGATCAAGTACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGATTGAGGCAGA
AGAAGCCATCAAAGGACTGAATGGCCAGAAGCCAGCGGTGCTACAGAACCGATTACTGTGAAGTTTGCC
ACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCCCAACAGGCGATACC
CTGGCCCTCTCCACCACCAGGCTCAAAGATTAGGCTGGACAATTTGCTTAATATGGCCTATGGCGTAAA
GAGACTGATGTCTGGACCAGTCCCCCTTCTGCTTGTCCCCCAGGTTCTCCCAATCACCATTGACGGG
ATGACAAGTCTTGTGGGAATGAACATCCCTGGTCACACAGGACAGGCTGGTGCATCTTCGTCTATAACC
TGTCCCCTGATTCTGATGAGAGTGTCTCTGGCAGCTCTTTGGCCCTTTGGCCGAGTGAACAACGTCAA
GGTCATCCGTGACTTCAACACCAACAAGTGCAAGGGATTTCGGCTTCGTCACCATGACCAACTACGATGAG
GCAGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAA
CCAACAAAGCCCAAAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227075 representing NM_001038698
 Red=Cloning site Green=Tags(s)

MVMIISTMEPQVSNPSTNSNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTEEFRSLFGSIG
 EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYPSSASIRDANLYVSGLP
 KTMTQKELEQLFSQYGRIIITSRILVDQVTGVSRGVGFIRFDKRIEAEAEAIKGLNGQKPSGATEPITVKFA
 NNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLNLMAYGVKRLMSGPVPPSACPPRFSPITIDG
 MTSLVGMNIPGHTGTWCIFVYNLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGVMTMTNYDE
 AAMAIASLNGYRLGDRVLQVSFKTNKAHKS

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_001038698

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_001038698.1](#), [NP_001033787.1](#)

RefSeq Size: 4008 bp

RefSeq ORF: 1143 bp

Locus ID: 15572

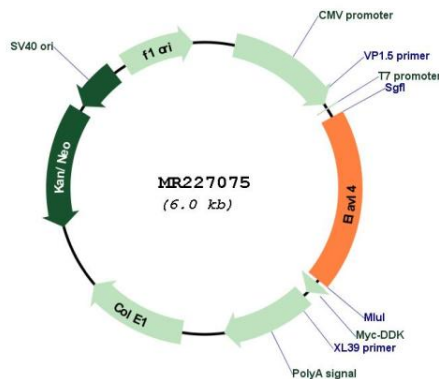
UniProt ID: [Q61701](#)

Cytogenetics: 4 51.42 cM

MW: 42.2 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 MR227075