

Product datasheet for **RC226936**

ELAVL4 (NM_001144776) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ELAVL4 (NM_001144776) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ELAVL4
Synonyms: HUD; PNEM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC226936 representing NM_001144776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCAATACAAGCAATGGAC
CCTCCAGCAACAACAGAACTGTCCTTCTCCCATGCAAACAGGGGCAACCACAGATGACAGCAAAACCAA
CCTCATCGTCAACTATTTACCCAGAATATGACCCAAGAAGAATTCAGGAGTCTCTTCGGGAGCATTGGT
GAAATAGAATCCTGCAAACCTGTGAGAGACAAAATTACAGGACAGAGTTTAGGGTATGGATTGTTAACT
ATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGACCAAAACCAT
AAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTATGTTAGCGCCTTCCC
AAAACCATGACCCAGAAGGAACTGGAGCAACTTTTCTCGCAATACGGCCGTATCATCACCTCACGAATCC
TGGTTGATCAAGTACAGGAGTGTCCAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGATTGAGGCAGA
AGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCAGCGGTGCTACGGAACCGATTACTGTGAAGTTTGCC
ACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTCTACCAGTCCCCAACCGGCCGTACC
CAGGTCCACTTCACCACCAGGCTCAGAGGTTCAGGCTGGACAATTTGCTTAATATGGCCTATGGCGTAA
GAGGTTCTCCCAATTACCATTGATGGAATGACAAGCCTTGTTGGGAATGAACATCCCTGGTCACACAGGA
ACTGGGTGGTGCATCTTTGTCTACAACCTGTCCCCGATTCCGATGAGAGTGTCTCTGGCAGCTCTTTG
GCCCTTTGGAGCAGTGAACAACGTAAAGGTGATTCGTGACTTCAACACCAACAAGTGAAGGGATTTCGG
CTTTGTACCATGACCAACTATGATGAGGCGGCCATGGCCATCGCCAGCCTCAACGGGTACCGCCTGGGA
GACAGAGTGTGCAAGTTTCCTTTAAACCAACAAGCCACAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC226936 representing NM_001144776
 Red=Cloning site Green=Tags(s)

MEQIISTMEPQVSNPSTNSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTQEEFRSLFGSIG
 EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYPSSASIRDANLYVSGLP
 KTMTQKELEQLFSQYGRITTSRILVDQVTGVSRRGVGIRFDKRIEAEAEAIKGLNGQKPSGATEPITVKFA
 NNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLNLMAYGVKRFSPITIDGMTSLVGMNIPGHTG
 TGWCIFVYNYLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNCKCKGFVMTNYDEAAMAIASLNGYRLG
 DRVLQVSFKTNKAHKS

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_001144776

ORF Size: 1098 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_001144776.3](#)

RefSeq ORF: 1101 bp

Locus ID: 1996

UniProt ID: [P26378](#)

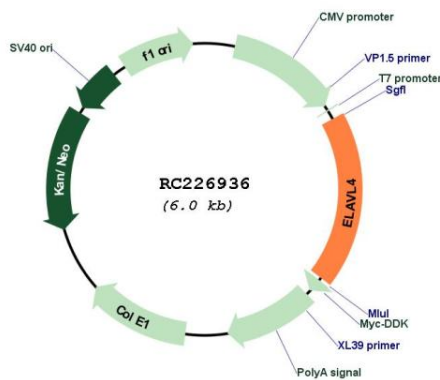
Cytogenetics: 1p33-p32.3

Protein Families: Druggable Genome

MW: 40.2 kDa

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

Product images:



Circular map for RC226936