

## Product datasheet for RC218612

### ELAVL4 (NM\_021952) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL4 (NM_021952) 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:	>RC218612 representing NM_021952 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTTATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCAATACAAGCAATGGAC  
CCTCCAGCAACAACAGAACTGTCCTTCTCCCATGCAAACAGGGGCAACCACAGATGACAGCAAAACCAA  
CCTCATCGTCAACTATTTACCCAGAATATGACCCAAGAAGAATTCAGGAGTCTCTTCGGGAGCATTGGT  
GAAATAGAATCTGCAAACCTGTGAGAGACAAAATTACAGGACAGAGTTTAGGGTATGGATTGTTAACT  
ATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGACCAAAACCAT  
AAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTATGTTAGCGGCCTTCCC  
AAAACCATGACCCAGAAGGAACTGGAGCAACTTTCTCGCAATACGGCCGTATCATCACCTCACGAATCC  
TGGTTGATCAAGTCACAGGAGTGTCCAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGATTGAGGCAGA  
AGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCAGCGGTGCTACGGAACCGATTACTGTGAAGTTTGCC  
ACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTCTACCAGTCCCCTAACCGGCGTACC  
CAGGTCCACTTCACCACCAGGCTCAGAGGTTTAGGCTGGACAATTTGCTTAATATGGCCTATGGCGTAAA  
GAGACTGATGTCTGGACCAGTCCCCCTTCTGCTTGTTCCTCCAGGTTCTCCCAATTACCATTGATGGA  
ATGACAAGCCTTGTGGGAATGAACATCCCTGGTCACACAGGAAGTGGGTGGTGCATCTTTGTCTACAAC  
TGCTCCCGATTCCGATGAGAGTGTCTCTGGCAGCTCTTTGGCCCTTTGGAGCAGTGAACAACGTAAA  
GGTGATTGCTGACTTCAACACCAACAAGTGCAAGGGATTTCGGCTTTGTACCATGACCAACTATGATGAG  
GCGGCCATGGCCATCGCCAGCCTCAACGGGTACCGCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAA  
CCAACAAAGCCACAAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC218612 representing NM\_021952  
Red=Cloning site Green=Tags(s)

MVMIISTMEPQVSNPSTNSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTEEFRLFGSIG  
 EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYARPPSASIRDANLYVGLP  
 KTMTQKELEQLFSQYGRITTSRILVDQVTGVSRRGVGFIKDFKRIEAEAEIKGLNGQKPSGATEPITVKFA  
 NNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLLNMAYGVKRLMSGPVPSPSACSPRFSPITIDG  
 MTSLVGMNIPGHTGTWCIFVYNLSPDSESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGVMTMTNYDE  
 AAMAIASLNGYRLGDRVLQVSFKTKNAHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6505\\_a12.zip](https://cdn.origene.com/chromatograms/mk6505_a12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021952

**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\\_021952.5](#)

**RefSeq Size:** 1591 bp

**RefSeq ORF:** 1143 bp

**Locus ID:** 1996

**UniProt ID:** [P26378](#)

**Cytogenetics:** 1p33-p32.3

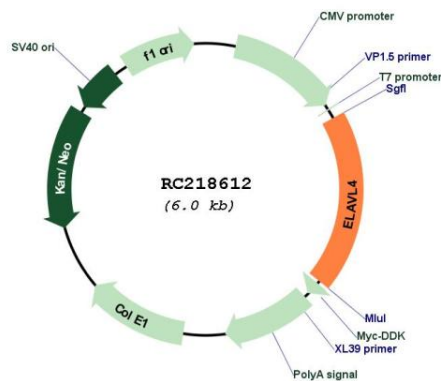
**Domains:** RRM

**Protein Families:** Druggable Genome

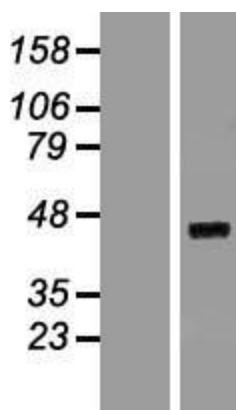
**MW:** 41.6 kDa

**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]

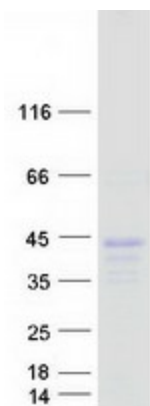
### Product images:



Circular map for RC218612



Western blot validation of overexpression lysate (Cat# [LY411863]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218612 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ELAVL4 protein (Cat# [TP318612]). The protein was produced from HEK293T cells transfected with ELAVL4 cDNA clone (Cat# RC218612) using MegaTran 2.0 (Cat# [TT210002]).