

## Product datasheet for TP318612L

### ELAVL4 (NM\_021952) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D) (ELAVL4), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218612 representing NM_021952 Red=Cloning site Green=Tags(s)

MVMIIISTMEPQVSNQPTSNTSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTQEEFRSLFGSIG  
EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINLNLRLQTKTIKVSYPSSASIRDANLYVSGLP  
KTMTQKELEQLFSQYGRIITSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPITVKFA  
NNPSQKSSQALLSPLYQSPNRRYPGPLHHQAQRFRDLNLLNMAYGVKRLMSGPVPSPSACSPRFSPITIDG  
MTSLVGMNIPGHTGTGWCIFVYNLSPDSESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMTNYDE  
AAMAIASLNGYRLGDRVLQVSFKTNKAHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	EMSA reaction (PMID: <a href="#">27801893</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_068771](#)

Locus ID: 1996

UniProt ID: [P26378](#)

RefSeq Size: 1591

Cytogenetics: 1p33-p32.3

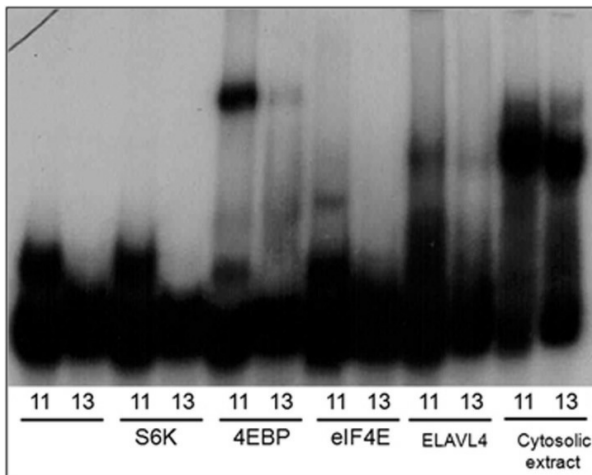
RefSeq ORF: 1140

Synonyms: HUD; PNEM

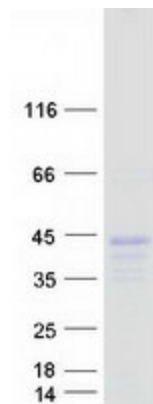
**Summary:** May play a role in neuron-specific RNA processing. Protects CDKN1A mRNA from decay by binding to its 3' UTR (By similarity). Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF and FOS mRNA.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Audiograph of electrophoretic mobility shift assay using labeled RNA probes for the 11 and 13DNR DNR alleles, and purified candidate-binding proteins including ELAVL4 (OriGene [TP318612]). Results confirm the binding for 4E-BP, eIF4E, and ELAVL4, seen as band upshift from the unlabeled oligos. Figure cited from Transl Psychiatry, PMID: 27801893



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]).