

## Product datasheet for **RC237797**

### ELAVL4 (NM\_001294348) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ELAVL4 (NM\_001294348) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ELAVL4  
**Synonyms:** HUD; PNEM  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237797 representing NM\_001294348  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGTGAATGGCTTGAAGATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCA  
ATACAAGCAATGGACCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAAACAGGGGCAACCACAGA  
TGACAGCAAACCAACCTCATCGTCAACTATTTACCCAGAAATGACCCAAGAAGAATTCAGGAGTCTC  
TTCGGGAGCATTGGTGAATAGAATCCTGCAAACTTGTGAGAGACAAAATTACAGGACAGAGTTTAGGGT  
ATGGATTTGTTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACT  
CCAGACAAAACCATAAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTAT  
GTTAGCGGCTTCCAAAACCATGACCCAGAAGGAACTGGAGCAACTTTTCTCGCAATACGGCCGTATCA  
TCACCTCACGAATCCTGGTTGATCAAGTCACAGGAGTGTCCAGAGGGTGGGATTCATCCGCTTTGATAA  
GAGGATTGAGGCAGAAGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCAGCGGTGCTACGGAACCGATT  
ACTGTGAAGTTTGCCAAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTTACCAGTCCC  
CCAACCGCGCTACCCAGGTCCACTTACCACCAGGCTCAGAGGTTCCAGGCTGGACAATTTGCTTAATAT  
GGCCTATGGCGTAAAGAGGTTCTCCCAATTACCATTGATGGAATGACAAGCCTTGTGGGAATGAACATC  
CCTGGTACACAGGAACTGGGTGGTGCATCTTTGTCTACAACCTGTCCCCGATTCCGATGAGAGTGTCC  
TCTGGCAGCTCTTTGGCCCTTTGGAGCAGTGAACAACGTAAAGGTGATTCGTGACTTCAACACCAACAA  
GTGCAAGGGATTGGCTTTGTCCACCATGACCAACTATGATGAGGCGGCCATGGCCATCGCCAGCCTCAAC  
GGTACCCTGGGAGACAGAGTGTGCAAGTTTCCTTTAAAACCAACAAAGCCACAAGTCC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237797 representing NM\_001294348  
 Red=Cloning site Green=Tags(s)

MEWNLKMIISTMEPQVSNPNTSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTQEEFRSL  
 FGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYARPSSASIRDANLY  
 VSGLPKMTMQKELEQLFSQYGRITSRILVDQVTGVSARGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPI  
 TVKFANNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLLNMAYGVKRFSPITIDGMTSLVGMNI  
 PGHTGTGWCIFVYNYLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIASLN  
 GYRLGDRVLQVSFKTNKAHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

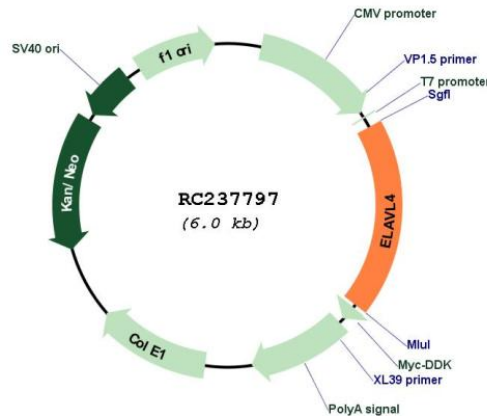
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001294348

<b>ORF Size:</b>	1113 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001294348.2</a>
<b>RefSeq Size:</b>	4062 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	1996
<b>UniProt ID:</b>	<a href="#">P26378</a>
<b>Cytogenetics:</b>	1p33-p32.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	41.5 kDa
<b>Gene Summary:</b>	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]