

Product datasheet for **RG226936**

ELAVL4 (NM_001144776) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ELAVL4 (NM_001144776) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ELAVL4
Synonyms: HUD; PNEM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG226936 representing NM_001144776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACAGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCAATACAAGCAATGGAC
 CCTCCAGCAACAACAGAACTGTCCTTCTCCCATGCAAACAGGGGCAACCACAGATGACAGCAAAACCAA
 CCTCATCGTCAACTATTTACCCAGAAATGACCCAAGAAGAATTCAGGAGTCTCTCGGGAGCATTGGT
 GAAATAGAATCCTGCAAACCTGTGAGAGACAAAATTACAGGACAGAGTTTAGGGTATGGATTGTTAACT
 ATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGACCAAAACCAT
 AAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTATGTTAGCGCCTTCCC
 AAAACCATGACCCAGAAGGAACTGGAGCAACTTTTCTCGCAATACGGCCGTATCATCACCTCACGAATCC
 TGGTTGATCAAGTCACAGGAGTGTCCAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGATTGAGGCAGA
 AGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCCAGCGGTGCTACGGAACCGATTACTGTGAAGTTTGC
 ACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTTACCAGTCCCCAACCGGCCGTACC
 CAGGTCCACTTACCACCAGGCTCAGAGGTTCAGGCTGGACAATTTGCTTAATATGGCCTATGGCGTAA
 GAGGTTCTCCCAATTACCATTGATGGAATGACAAGCCTTGTGGGAATGAACATCCCTGGTCACACAGGA
 ACTGGGTGGTGCATCTTTGTCTACAACCTGTCCCCGATTCCGATGAGAGTGTCTTGGCAGCTCTTTG
 GCCCTTTGGAGCAGTGAACAACGTAAAGGTGATTCGTGACTTCAACACCAACAAGTGAAGGGATTCCGG
 CTTTGTACCATGACCAACTATGATGAGGCGGCCATGGCCATCGCCAGCCTCAACGGGTACCGCCTGGGA
 GACAGAGTGTGCAAGTTTCTTTAAAACCAACAAGCCACAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226936 representing NM_001144776
Red=Cloning site Green=Tags(s)

MEQIISTMEPQVSNQPTSNTSNGPSSNNRNCPSMQTGATDDSKTNLIVNYLPQNMTEEFRSLFGSIG
 EIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYPSSASIRDANLYVSGLP
 KTMTQKELEQLFSQYGRITTSRILVDQVTGVSRRGVGFIKDKRIEAEAAIKGLNGQKPSGATEPITVKFA
 NNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLNLMAYGVKRFSPITIDGMTSLVGMNIPGHTG
 TGWCIFVYNYLSPDSDEVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVMTNYDEAAMAIASLNGYRLG
 DRVLQVSFKTNKAHKS

TRTRPLE - GFP Tag - V

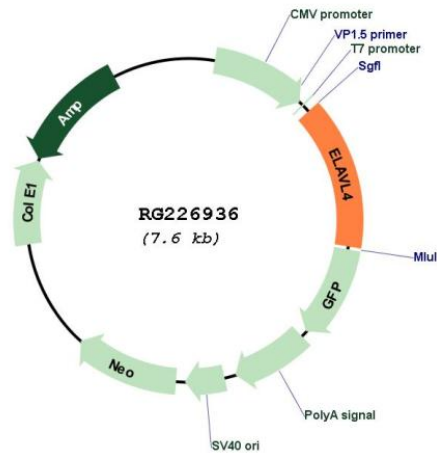
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none"> 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 Size:	1873 bp
RefSeq ORF:	1101 bp
Locus ID:	1996
UniProt ID:	P26378
Cytogenetics:	1p33-p32.3
Protein Families:	Druggable Genome
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]