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Product datasheet for RG226943

ELAVL4 (NM_001144777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL4 (NM_001144777) 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:

>RG226943 representing NM_001144777
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCTCAAGAACCAGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGTCCGACATCCAATACAA
GCAATGGACCCTCCAGCAACAACAGAAACTGTCCTTCTCCCATGCAAACAGGGGCAACCACAGATGACAG
CAAAACCAACCTCATCGTCAACTATTTACCCCAGAATATGACCCAAGAAGAATTCAGGAGTCTCTTCGGG
AGCATTGGTGAAATAGAATCCTGCAAACTTGTGAGAGACAAAATTACAGGACAGAGTTTAGGGTATGGAT
TTGTTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACTCCAGAC
CAAAACCATAAAGGTCTCATATGCCCGTCCGAGCTCTGCCTCAATCAGGGATGCTAACCTCTATGTTAGC
GGCCTTCCCAAAACCATGACCCAGAAGGAACTGGAGCAACTTTTCTCGCAATACGGCCGTATCATCACCT
CACGAATCCTGGTTGATCAAGTCACAGGAGTGTCCAGAGGGGTGGGATTCATCCGCTTTGATAAGAGGAT
TGAGGCAGAAGAAGCCATCAAAGGGCTGAATGGCCAGAAGCCCAGCGGTGCTACGGAACCGATTACTGTG
AAGTTTGCCAACAACCCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCCAGCTCTACCAGTCCCCCAACC
GGCGCTACCCAGGTCCACTTCACCACCAGGCTCAGAGGTTCAGGCTGGACAATTTGCTTAATATGGCCTA
TGGCGTAAAGAGGTTCTCCCCAATTACCATTGATGGAATGACAAGCCTTGTGGGAATGAACATCCCTGGT
CACACAGGAACTGGGTGGTGCATCTTTGTCTACAACCTGTCCCCCGATTCCGATGAGAGTGTCCTCTGGC
AGCTCTTTGGCCCCTTTGGAGCAGTGAACAACGTAAAGGTGATTCGTGACTTCAACACCAACAAGTGCAA
GGGATTCGGCTTTGTCACCATGACCAACTATGATGAGGCGGCCATGGCCATCGCCAGCCTCAACGGGTAC
CGCCTGGGAGACAGAGTGTTGCAAGTTTCCTTTAAAACCAACAAAGCCCACAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

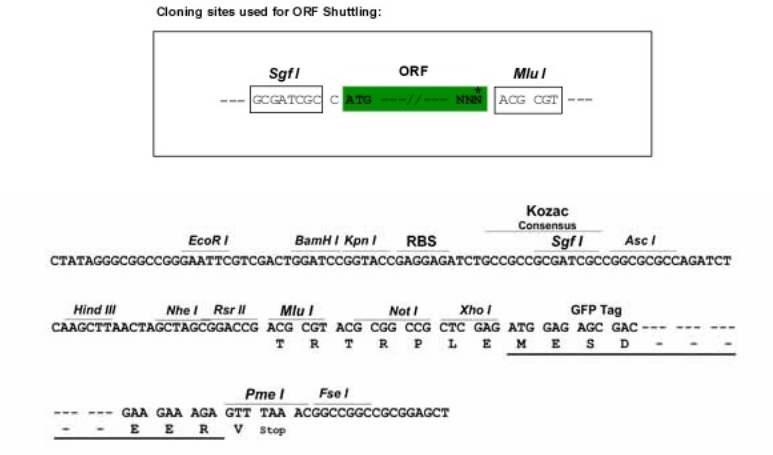
>RG226943 representing NM_001144777
Red=Cloning site Green=Tags(s)

MRLKNQIISTMEPQVSNGPTSNTSNGPSSNNRNCPSPMQTGATTDDSKTNLIVNYLPQNMTQEEFRSLFG
SIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGLRLQTKTIKVSYARPSSASIRDANLYVS
GLPKTMTQKELEQLFSQYGRIITSRILVDQVTGVSRGVGFIRFDKRIEAEEAIKGLNGQKPSGATEPITV
KFANNPSQKSSQALLSQLYQSPNRRYPGPLHHQAQRFRLDNLLNMAYGVKRFSPITIDGMTSLVGMNIPG
HTGTGWCIFVYNLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFVTMTNYDEAAMAIASLNGY
RLGDRVLQVSFKTNKAHKS

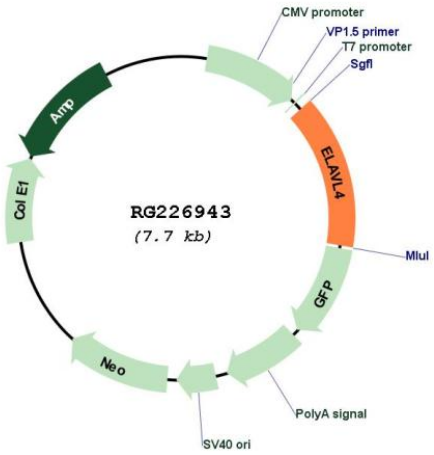
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001144777

ORF Size:	1107 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_001144777.3
RefSeq Size:	1951 bp
RefSeq ORF:	1110 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]