

Product datasheet for **MG206481**

Elavl4 (BC048159) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl4 (BC048159) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elavl4
Synonyms:	Elav; Hud; PNEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206481 representing BC048159 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTGGAAATGGCTTGAAGATGATAATTAGCACCATGGAGCCTCAGGTGTCAAATGGACCGACATCCA
ATACAAGCAATGGACCTCCAGCAACAACAGAACTGTCTTCTCCCATGCAGACAGGCGCCGACAG
TGACAGCAAAACCAACCTCATCGTCAACTATTTACCCAGAAATATGACCAAGAGGAATTCAGGAGTCTC
TTTGGGAGCATTGGTAAATAGAATCCTGCAAACCTCGTGAGAGACAAAATCACAGGACAGAGTTTAGGGT
ATGGATTTGTTAACTATATTGATCCAAAGGATGCAGAGAAAGCCATCAACACTTTAAATGGACTCAGACT
CCAGACCAAAACCATAAAGGTGTCTACGCCCGCCAAGCTCGGCCTCGATCAGGGATGCTAACCTGTAT
GTTAGTGGCCTTCCCAAGACCATGACCCAGAAGGAGCTGGAGCAGCTTTTCTCTCAATACGGTCGCATCA
TCACCTCACGCATCCTGGTTGATCAAGTCACAGGGGTCTCTAGAGGGGTGGGATTCATCCGCTTTGATAA
GAGGATTGAGGCAGAAGAAGCCATCAAAGGACTGAATGGCCAGAAGCCAGCGGTGCTACAGAACCATT
ACTGTGAAGTTTGCCAACAACCCAGCCAGAAGTCCAGCCAGGCCCTGCTCTCCAGCTGTACCAGTCCC
CCAACAGGCGATACCCTGGCCCTCTCCACCACCAGGCTCAAAGATTGAGGCTGGACAATTTGCTTAATAT
GGCCTATGGCGTAAAGAGACTGATGTCTGGACCAGTCCCCCTTCTGCTTGTCCCCCAGGTTCTCCCCA
ATCACCATGACGGGATGACAAGTCTTGTGGGAATGAACATCCCTGGTCACACAGGACAGGCTGGTGCA
TCTTCGTCTATAACCTGTCCCCTGATTCTGATGAGAGTGTCTCTGGCAGCTCTTTGGCCCTTTGGCGC
AGTGAACAACGTCAAGGTCATCCGTGACTTCAACACCAACAAGTGAAGGATTGCGCTTCGTCACCATG
ACCAACTACGATGAGGCAGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGACAGAGTGTTC
AAGTTTCCATGACCAACTACGATGAGGCAGCCATGGCCATCGCCAGCCTCAATGGCTATCGCCTGGGAGA
CAGAGTGTGCAAGTTTCTTTAAACCAACAAGCCACAAATCC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206481 representing BC048159
 Red=Cloning site Green=Tags(s)

MEWNLKMIISTMEPQVSNQPTSNTSNGPSSNNRNCPSMQTGAATDDSKTNLIVNYLPQNMTQEEFRSL
 FGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINTLNGRLQTKTIKVSYARPPSSASIRDANLY
 VSLPKTMTQKELEQLFSQYGRITTSRILVDQVTGVSRGVGFIRFDKRIEAEAAIKGLNGQKPSGATEPI
 TVKFANNPSQKSSQALLSQLYQSPNRRYPGLHHQAQRFRLDNLLNMAYGVKRLMSGPVPPSACPPRFSP
 ITIDGMTSLVGMNIPGHTGTGWCIFVYNLSPDSDESVLWQLFGPFGAVNNVKVIRDFNTNKCKGFGFTM
 TNYDEAAMAIASLNGYRLGDRVLQVSMNTNYDEAAMAIASLNGYRLGDRVLQVSFKTNKAHKS

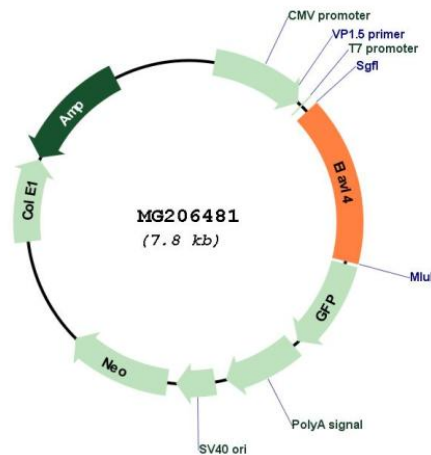
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC048159

ORF Size:	1238 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:	BC048159 , AAH48159
RefSeq Size:	3425 bp
RefSeq ORF:	1238 bp
Locus ID:	15572
Cytogenetics:	4 51.42 cM
Gene Summary:	May play a role in neuron-specific RNA processing. Protects CDKN1A mRNA from decay by binding to its 3' UTR. Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF and FOS mRNA (By similarity).[UniProtKB/Swiss-Prot Function]