

Product datasheet for **RG201562**

ELAVL1 (NM_001419) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELAVL1 (NM_001419) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELAVL1
Synonyms:	ELAV1; Hua; HUR; MeIG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201562 representing NM_001419 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAATGGTTATGAAGACCACATGGCCGAAGACTGCAGGGGTGACATCGGGAGAACGAATTTGATCG
TCAACTACCTCCCTCAGAACATGACCCAGGATGAGTTACGAAGCCTGTTACGAGCATTGGTGAAGTTGA
ATCTGCAAACTTATTCGGGATAAAGTAGCAGGACACAGCTTGGGCTATGGCTTTGTAAGTACGTGACC
GCGAAGGATGCAGAGAGAGCGATCAACACGCTGAACGGCTTGAGGCTCCAGTCAAAAACCATTAAGGTGT
CGTATGCTCGCCGAGCTCAGAGGTGATCAAAGACGCCAATTGTACATCAGCGGGCTCCCGCGGACCAT
GACCCAGAAGGACGTAGAAGACATGTTCTCTCGGTTTGGGCGGATCATCAACTCGCGGGTCTCGTGGAT
CAGACTACAGTTTGTCCAGAGGGTTCGCTTTATCCGGTTTGACAAACGGTCGGAGGCAGAAGAGGCAA
TTACCAGTTTCAATGGTCATAAACCCCCAGGTTCTCTGAGCCCATCACAGTGAAGTTTGCAGCCAAACC
CAACCAGAAACAAAACGTGGCACTCCTCTCGCAGCTGTACCACTCGCCAGCGCGACGGTTCGGAGGCCCC
GTTACCACCAGGCGCAGAGATTGAGTTCTCCCCATGGGCGTCGATCATGAGCGGGCTCTCTGGCG
TCAACGTGCCAGGAAACGCTCCTCCGGCTGGTGCATTTTCATCTACAACCTGGGCGAGGATGCCGACGA
GGGATCCTCTGGCAGATGTTTGGGCCGTTTGGTGCCGTCACCAATGTGAAAGTGATCCGCGACTTCAAC
ACCAACAAGTGCAAAGGGTTTGGCTTTGTGACCATGACAACTATGAAGAAGCCGCGATGGCCATAGCCA
GCCTGAACGGCTACCGCTGGGGACAAAATCTTACAGGTTTCTTCAAAACCAACAAGTCCCACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201562 representing NM_001419
Red=Cloning site Green=Tags(s)

MSNGYEDHMAEDCRGDIGRTNLI VNYLPQNMTQDELRSLFSSIGEVESAKLIRDKVAGHSLGYGFVNYVT
 AKDAERAINTLNGLRQLQSKTIKVSYPSEVIKIDANLYISGLPRTMTQKDVEDMFSRFGRINSRVLVD
 QTTGLSRGVAFIRFDKRSEAEAAITSFNGHKPPGSSEPI TVKFAANPNQKNVALLSQLYHSPARRFGGP
 VHHQAQRFRRFSPMGVDHMSGLSGVNVPGNASSGWCIFIYNLQDQDADEGILWQMFPGPF GAVTNVKVIRDFN
 TNKCKGFGFVTMTNYEEAAMAIASLNGYRLGDKILQVSFKTNKSHK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001419

ORF Size: 978 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_001419.3](#)

RefSeq Size: 6075 bp

RefSeq ORF: 981 bp

Locus ID: 1994

UniProt ID: [Q15717](#)

Cytogenetics: 19p13.2

Domains: RRM

Gene Summary: The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA recognition motifs, and selectively bind AU-rich elements (AREs) found in the 3' untranslated regions of mRNAs. AREs signal degradation of mRNAs as a means to regulate gene expression, thus by binding AREs, the ELAVL family of proteins play a role in stabilizing ARE-containing mRNAs. This gene has been implicated in a variety of biological processes and has been linked to a number of diseases, including cancer. It is highly expressed in many cancers, and could be potentially useful in cancer diagnosis, prognosis, and therapy. [provided by RefSeq, Sep 2012]

Product images:



Circular map for RG201562