

Product datasheet for **MG225307**

Evl (NM_001163395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Evl (NM_001163395) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Evl
Synonyms:	A1528774; b2b2600Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225307 representing NM_001163395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCGATTTGAAGAATTCAGTGAACAGAGTATCTGCCAAGCGCGGGCCTCCGTGATGGTCTACGATG
ACACCAGTAAGAAGTGGTACCGATCAAGCCTGGCCAGCAGGGATTCAGCCGGATCAACATCTACCACAA
CACTGCCAGCAGCACCTTCAGAGTGGTCCGGGTCAAGCTACAGGACCAGCAGGTTGTGATCAATTATTCA
ATTGTTAAAGGGCTGAAGTACAATCAGGCAACACCCACCTCCATCAGTGGCGAGATGCCCGTCAGGTCT
ATGGCTTAAACTTTGCAAGTAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCTTGGCCTGAACAT
CATGAATTCCTAAGAAGGAGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCTCTCCTGAGGAGATG
GACATCCAGAGAAGACAAGTAATGGAGCAGCAGCACCCGACAGGAGTCTCTGGAGAGGAGAATCTCGCCA
CAGGGCCATTCTCCCCCTGGGCATCCCTCATCGGCAGCCAGCACCACTCTCTCCTGTAGTGGACCTCC
ACCCCGCCTCCACCCCAAGTCCACCTCCACCCACAGGGTCTACTCCCCACCCCAACCCCACTGCCA
GCTGGAGGAGCCAGGGGACCAACCATGATGAGAGCTCTGCATCAGGACTGGTCTGCTCTGGCGGGAG
CCAAGCTAAGGAGGGTGCAGCGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTGGGACTTCAAAGTC
CGATGCCAACCGGCAAGCAGTGGGGAGGTGGAGGAGGCTCATGGAAGAAATGAACAAGTCTGGCT
AAGAGGAGAAAGGCAGCCTCCAGACAGACAAGCCCGTGACAGAAAGGAAGATGAGAGCCAAACGGAAG
ACCCTAGCACCTCCCCATCCCCAGGTACCCGAGCCAGCCAGCCACCTAATTCCTCAGAGGCTGGCAG
AAAACCTGGGAACGGAGCAACTCGGTGGAGAAACCTGTGTCCTCGTTGCTGTCCAGGGTGAAGCCTGCT
GGGAGTGTGAATGACGTGGGCTGGATGCCTTAGATTTGGACCGGATGAAACAGGAGATCCTGGAGGAGG
TGGTTCGGGAGCTGCACAAGGTGAAGGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGGGATCAG
CACCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225307 representing NM_001163395
Red=Cloning site Green=Tags(s)

MFAFEFSEQSIQARASVMVYDDTSKKWVPIKPGQQGFSRINIYHNTASSTFRVVGKLDQDQVINY
 IVKGLKYNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEM
 DIQRRQVMEQHRQESLERRISATGPILPPGHPSSAASTLSCSGPPPPPPVPPPTGTPPPPPPLP
 AGGAQGTNHDESSASGLAAALAGAKLRRVQRPEDASGGSSPSGTSKSDANRASSGGGGGLMEEMNKLLA
 KRRKAASQTDKPADRKEDESQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRVKPA
 GSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163395

ORF Size: 1197 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_001163395.1](#), [NP_001156867.1](#)

RefSeq Size: 1891 bp

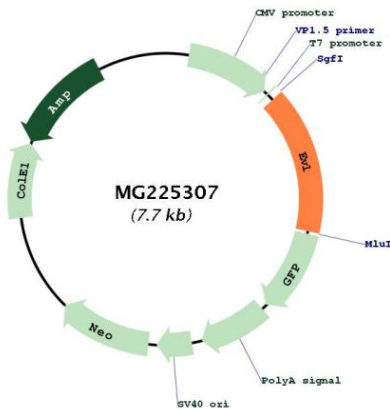
RefSeq ORF: 1200 bp

Locus ID: 14026

Cytogenetics: 12 F1

Gene Summary: Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. EVL enhances actin nucleation and polymerization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225307