

Product datasheet for MR225307

Evl (NM_001163395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Evl (NM_001163395) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Evl
Synonyms:	A1528774; b2b2600Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225307 representing NM_001163395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCGATTTGAAGAATTCAGTGAACAGAGTATCTGCCAAGCGGGCCTCCGTGATGGTCTACGATG
ACACCAGTAAGAAGTGGTACCGATCAAGCCTGGCCAGCAGGGATTCAGCCGGATCAACATCTACCACAA
CACTGCCAGCAGCACCTTCAGAGTGGTCCGGGTCAAGCTACAGGACCAGCAGGTTGTGATCAATTATTCA
ATTGTTAAAGGGCTGAAGTACAATCAGGCAACACCCACCTCCATCAGTGGCGAGATGCCGTGCTGCT
ATGGCTTAAACTTTGCAAGTAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCTTGGCCTGAACAT
CATGAATCCCAAGAAGGAGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCCCTCCTGAGGAGATG
GACATCCAGAGAAGACAAGTAATGGAGCAGCAGCACCGCCAGGAGTCTCTGGAGAGGAGAATCTCGCCA
CAGGGCCATTCTCCCCCTGGGCATCCCTCATCGGCAGCCAGCACCACTCTCTCCTGTAGTGGACCTCC
ACCCCCGCTCCACCCCAAGTCCACCTCCACCCACAGGGTCTACTCCCCACCCCAACCCCACTGCCA
GCTGGAGGAGCCAGGGGACCAACCATGATGAGAGCTCTGCATCAGGACTGGTGTCTGCTGGCGGGAG
CCAAGTAAGGAGGTGCAGCGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTGGGACTTCAAAGTC
CGATGCCAACCGGCAAGCAGTGGGGAGGTGGAGGAGGCTCATGGAAGAAATGAACAAGTGTGGCT
AAGAGGAGAAAGGCAGCCTCCAGACAGACAAGCCCGTGACAGAAAGGAAGTGAAGCCAAACGGAAG
ACCCTAGCACCTCCCATCCCCAGGTACCCGAGCCAGCCAGCCACCTAATTCCTCAGAGGCTGGCAG
AAAACCTGGGAACGGAGCAACTCGGTGGAGAAACCTGTGTCCTCGTGTGTCCAGGGTGAAGCCTGCT
GGGAGTGTGAATGACGTGGGCTGGATGCCTTAGATTTGGACCGGATGAAACAGGAGATCCTGGAGGAGG
TGGTTCGGGAGCTGCACAAGGTGAAGGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGGGATCAG
CACCACG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225307 representing NM_001163395
 Red=Cloning site Green=Tags(s)

MFAFEFSEQSIQARASVMVYDDTSKKWVPIKPGQQGFSRINIYHNTASSTFRVVGVLQDQQVINYS
 IVKGLKYNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEM
 DIQRRQVMEQQRQESLERRISATGPILPPGHPSSAATTLSCSGPPPPPPVPPPTGSTPPPPPLP
 AGGAQGTNHDESSASGLAAALAGAKLRRVQRPEDASGGSSPSGTSKSDANRASSGGGGGLMEEMNKLLA
 KRRKAASQTDKPADRKEDESQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRVKPA
 GSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

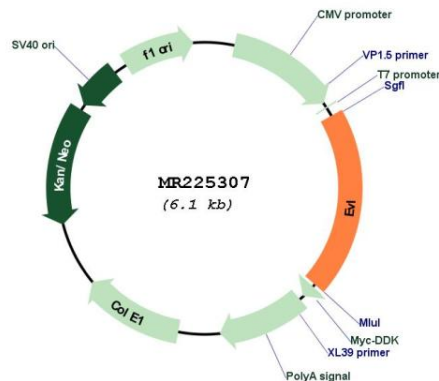
Locus ID: 14026

Cytogenetics: 12 F1

MW: 43.3 kDa

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 MR225307