

Product datasheet for MR225261

Evl (NM_001163396) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Evl (NM_001163396) 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:	>MR225261 representing NM_001163396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTACGATGACACCAGTAAGAAGTGGGTACCGATCAAGCCTGGCCAGCAGGGATTAGCCGGATCA
ACATCTACCACAACACTGCCAGCAGCACCTTCAGAGTGGTCGGGGTCAAGCTACAGGACCAGCAGGTTGT
GATCAATTATTCAATTGTTAAAGGGCTGAAGTACAATCAGGCAACACCCACCTTCCATCAGTGGCGAGAT
GCCCGTCAGGTCTATGGCTTAACTTTGCAAGTAAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCT
TTGCCCTGAACATCATGAATCCCAAGAAGGAGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCTC
TCCTGAGGAGATGGACATCCAGAGAAGACAAGTAATGGAGCAGCAGCACCGCCAGGAGTCTCTGGAGAGG
AGAATCTCGGCCACAGGGCCATTCTCCCCCTGGGCATCCCTCATCGGCAGCCAGCACCACTCTCTCCT
GTAGTGGACCTCCACCCCGCCTCCACCCCAAGTCCACCTCCACCCACAGGGTCTACTCCCCACCCCC
ACCCCACTGCCAGCTGGAGGAGCCAGGGGACCAACCATGATGAGAGCTCTGCATCAGGACTGGCTGCT
GCTCTGGCGGGAGCCAAGCTAAGGAGGGTGCAGCGGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTG
GGACTTCAAAGTCCGATGCCAACCGGCAAGCAGTGGGGAGGTGGAGGAGGCTCATGGAAGAAATGAA
CAAGCTGCTGGCTAAGAGGAGAAAAGCAGCCTCCAGACAGACAAGCCCGCTGACAGAAAGGAAGATGAG
AGCCAAACGGAAGACCCTAGCACCTCCCCATCCCAGGTACCCGAGCCACCAGCCAGCCACCTAATTCCT
CAGAGGCTGGCAGAAAACCTGGGAACGGAGCAACTCGGTGGAGAAAACCTGTGTCCTCGTTGCTGTCCAG
AACCCCGTCTGTGGCAAAGAGCCCGAAGCTAAGAGCCCTTTCAGTTCGAGCCTCACTCTAGGGTGAAG
CCTGCTGGGAGTGAATGACGTGGCCTGGATGCCTTAGATTTGGACCGGATGAAAACAGGAGATCCTGG
AGGAGGTGGTTCGGGAGCTGCACAAGGTGAAGGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGG
GATCAGCACCACG

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225261 representing NM_001163396
Red=Cloning site Green=Tags(s)

MVYDDTSKKWVPIKPGQQGFSRINIYHNTASSTFRVVGVLQDQQVINYSIVKGLKYNQATPTFHQWRD
 ARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEMDIQRRQVMEQQHRQESLER
 RISATGPILPPGHPSSAASTLSCSGPPPPPPVPPPTGSTPPPPPLPAGGAQGTNHDESSASGLAA
 ALAGAKLRRVQRPEDASGSSPSGTSKSDANRASSGGGGGLMEEMNKLLAKRRKAASQTDKPADRKEDE
 SQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRTPSVAKSPEAKSPLQSQPHSRVK
 PAGSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIIDAIRQELSGISTT

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_001163396

ORF Size: 1203 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_001163396.2](#), [NP_001156868.1](#)

RefSeq Size: 1976 bp

RefSeq ORF: 1206 bp

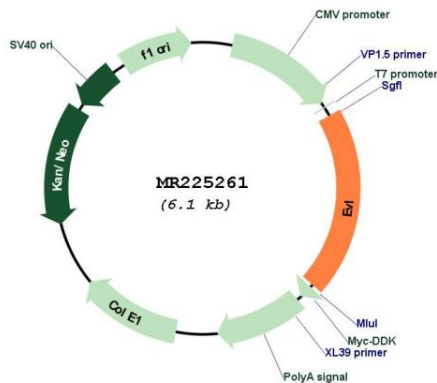
Locus ID: 14026

Cytogenetics: 12 F1

MW: 43.4 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 MR225261