

Product datasheet for MR225304

Evl (NM_001163394) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Evl (NM_001163394) 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: >MR225304 representing NM_001163394
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAACAGAGTATCTGCCAAGCGCGGCCTCCGTGATGGTCTACGATGACACCAGTAAGAAGTGGG
TACCGATCAAGCCTGGCCAGCAGGGATTAGCCGGATCAACATCTACCACAACACTGCCAGCAGCACCTT
CAGAGTGGTCCGGGTCAAGCTACAGGACCAGCAGGTTGTGATCAATTATCAATTGTTAAAGGGCTGAAG
TACAATCAGGCAACACCCACCTTCCATCAGTGGCGAGATGCCCGTCAGGCTATGGCTAAACTTTGCAA
GTAAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCTTTGCCCTGAACATCATGAATCCCAAGAAGG
AGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCTCTCCTGAGGAGATGGACATCCAGAGAAGACAA
GTAATGGAGCAGCAGCACCGCCAGGAGTCTCTGGAGAGGAGAATCTCGGCCACAGGGCCATTCTCCCC
CTGGGCATCCCTCATCGGCAGCCAGCACCACTCTCTCCTGTAGTGGACCTCCACCCCGCCTCCACCC
AGTTCCACCTCCACCCACAGGGTCTACTCCCCACCCCACTCCAGCTGGAGGAGCCAGGGG
ACCAACCATGATGAGAGCTTGCATCAGGACTGGCTGCTGCTCTGGCGGAGCCAAGCTAAGGAGGGTGC
AGCGGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTGGACTTCAAAGTCCGATGCCAACCGGCAAG
CAGTGGGGGAGGTGGAGGAGCCTCATGGAAGAAATGAACAAGCTGCTGGCTAAGAGGAGAAAGGCAGCC
TCCCAGACAGACAAGCCCGCTGACAGAAAGGAAGATGAGAGCAAACGGAAGCCCTAGCACCTCCCCAT
CCCCAGGTACCCGAGCCACCGCCAGCCACCTAATTCTCAGAGGCTGGCAGAAAACCTGGGAACGGAG
CAACTCGTGGAGAACTGTGTCTCCTGCTGTCCAGAACCCGCTGTGTGGCAAAGAGCCCCGAAGCT
AAGAGCCCCCTTCACTCGCAGCCTCACTTAGGGTGAAGCCTGCTGGGAGTGTGAATGACGTGGCCTGG
ATGCCCTTAGATTTGGACCGGATGAAACAGGAGATCCTGGAGGAGGTGGTTCGGGAGCTGCACAAGGTGAA
GGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGGGATCAGCACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR225304 representing NM_001163394
Red=Cloning site Green=Tags(s)

MSEQSIQARASVMVYDDTSKKWVPIKPGQQGFSRINIYHNTASSTFRVVGVLQDQVQVINYIVKGLK
 YNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEMDIQRRQ
 VMEQQRHREQESLERRISATGPILPPGHPSSAASTLSCSGPPPPPPPPVPPPTGTPPPPPPLPAGGAQG
 TNHDESSASGLAALAGAKLRRVQRPEDASGGSSPSGTSKSDANRASSGGGGGLMEEMNKLLAKRRKAA
 SQTDKPADRKEDESQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRTPSVAKSPEA
 KSPLQSQPHSRVKPAGSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163394

ORF Size: 1242 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_001163394.1](#), [NP_001156866.1](#)

RefSeq Size: 2202 bp

RefSeq ORF: 1245 bp

Locus ID: 14026

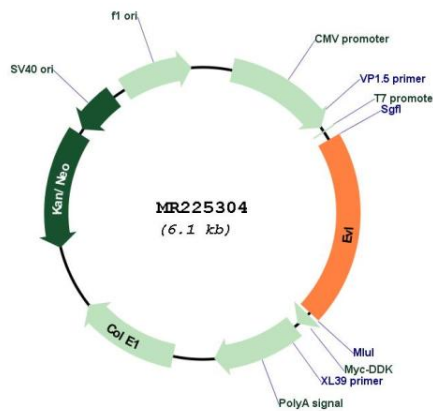
UniProt ID: [P70429](#)

Cytogenetics: 12 F1

MW: 44.8 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 MR225304