

## Product datasheet for **MG206142**

### **Evl (BC059810) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Evl (BC059810) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Evl
Synonyms:	A1528774
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206142 representing BC059810 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGAACAGAGTATCTGCCAAGCGCGGCCTCCGTGATGGTCTACGATGACACCAGTAAGAAGTGGG  
TACCGATCAAGCCTGGCCAGCAGGGATTCGGCCGGATCAACATCTACCACAACACTGCCAGCAGCACCTT  
CAGAGTGGTCGGGTCAAGCTACAGGACCAGCAGGTTGTGATCAATTATTCAATTGTTAAAGGGCTGAAG  
TACAATCAGGCAACACCCACCTTCCATCAGTGGCGAGATGCCCGTCAGGTCTATGGCTAAACTTTGCAA  
GTAAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCTTTGCCCTGAACATCATGAATCCCAAGAAGG  
AGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCTCTCCTGAGGAGATGGACATCCAGAGAAGACAA  
GTAATGGAGCAGCAGCACCGCCAGGAGTCTCTGGAGAGGAGAATCTCGGCCACAGGGCCATTCTCCCCC  
CTGGGCATCCCTCATCGGCAGCCAGCACCCTCTCCTGTAGTGGACCTCCACCCCGCCTCCACCCCC  
AGTTCCACCTCCACCCACAGGGTCTACTCCCCACCCCACTCCAGCTGGAGGAGCCAGGGG  
ACCAACCATGATGAGAGCTTGCATCAGGACTGGCTGCTCTGGCGGGAGCCAAGCTAAGGAGGGTGC  
AGCGGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTGGGACTCAAAGTCCGATGCCAACCGGGCAAG  
CAGTGGGGGAGGTGGAGGAGCCCTCATGGAAGAAATGAACAAGCTGCTGGCTAAGAGGAGAAAGGCAGCC  
TCCCAGACAGACAAGCCCGCTGACAGAAAGGAAGATGAGAGCAAACGGAAGACCTAGCACCTCCCCAT  
CCCCAGGTACCCGAGCCACCAGCCAGCCACCTAATTCCTCAGAGGCTGGCAGAAAACCTGGGAACGGAG  
CAACTCGTGGAGAACTGTGTCTCCTGCTGTCCAGGGTGAAGCCTGCTGGGAGTGTGAATGACGTG  
GGCCTGGATGCCTTAGATTTGGACCGGATGAAACAGGAGATCCTGGAGGAGGTGGTTCGGGAGCTGCACA  
AGGTGAAGGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGGGATCAGCACCACG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206142 representing BC059810  
 Red=Cloning site Green=Tags(s)

MSEQSIQARASVMVYDDTSKKWVPIKPGQQGFRINIYHNTASSTRVVGVLQDQVQVINYIVKGLK  
 YNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEMDIQRRQ  
 VMEQQRQESLERRISATGPILPPGHPSSAASTLSCSGPPPPPPPPVPPPTGSTPPPPPLPAGGAQG  
 TNHDESSASGLAALAGAKLRRVQRPEDASGGSSPSGTSKSDANRASSGGGGGLMEEMNKLLAKRRKAA  
 SQTDKPADRKEDESQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRVKPAGSYNDV  
 GLDALDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC059810

**ORF Size:** 1181 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:** [BC059810](#), [AAH59810](#)

**RefSeq Size:** 2139 bp

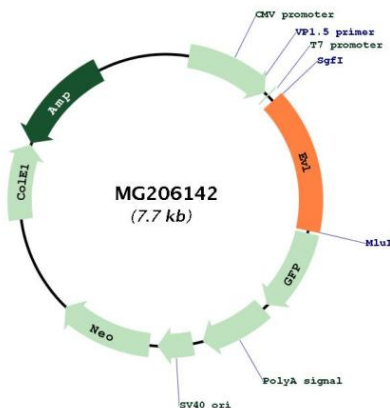
**RefSeq ORF:** 1181 bp

**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 MG206142