

## Product datasheet for **RG207094**

### **EVL (NM\_016337) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EVL (NM_016337) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EVL
Synonyms:	RNB6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207094 representing NM_016337 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACAAGTGAACAGAGTATCTGCCAAGCCCGGGCTTCCGTGATGGTCTACGATGACACCAGTAAGA  
AATGGGTACCAATCAAACCTGGCCAGCAGGGATTAGCCGGATCAACATCTACCACAACACTGCCAGCAA  
CACCTTCAGAGTCGTTGGAGTCAAGTTCAGGATCAGCAGGTTGTGATCAATTATCAATCGTGAAAGGG  
CTGAAGTACAATCAGGCCACGCCAACCTCCACCAGTGGCGAGATGCCCGCCAGGTCTACGGCTTAACT  
TTGCAAGTAAAGAAGAGGCAACCAGTTCTCCAATGCAATGCTGTTGGCCCTGAACATCATGAATCCCA  
AGAAGGAGGCCCTCCAGCCAGCGTCAGGTGCAGAATGGCCCTCTCCTGATGAGATGGACATCCAGAGA  
AGACAAGTGATGGAGCAGCACCAGCAGCAGCGTCAGGAATCTCTAGAAAGAAGAACCTCGGCCACAGGGC  
CCATCCTCCCACCAGGACATCCTTCATCTGCAGCCAGCGCCCGCTCTCATGTAGTGGGCTCCACCGCC  
CCCCCACCCAGTCCCACCTCCACCCACTGGGGCTACCCACCTCCCCACCCCACTGCCAGCCGGA  
GGAGCCCAGGGTCCAGCCACGACGAGAGCTCCATGTCAGGACTGGCCGCTGCCATAGCTGGGGCCAAGC  
TGAGAAGAGTCCAACGGCCAGAAGACGCATCTGGAGGCTCCAGTCCCAGTGGGACCTCAAAGTCCGATGC  
CAACCGGGCAAGCAGCGGGGTGGCGGAGGAGGCTCATGGAGGAAATGAACAACTGCTGGCCAAGAGG  
AGAAAAGCAGCCTCCCAGTCAGACAAGCCAGCCGAGAAGAAGGAAGATGAAAGCCAAATGGAAGATCCTA  
GTACCTCCCCCTCTCCGGGACCCGAGCAGCCAGCCAGCCAACTAACTCCTCAGAGGCTGGCCGGAAGCC  
CTGGGAGCGGAGCAACTCGTGGAGAAGCCTGTGTCTCGATTCTGTCCAGAACCCCGTCTGTGGCAAAG  
AGCCCCGAAGCTAAGAGCCCTTCAGTCGAGCCTCACTTAGGATGAAGCCTGCTGGGAGCGTGAATG  
ACATGGCCCTGGATGCCTTCGACTTGGACCGGATGAAGCAGGAGATCCTAGAGGAGGTGGTGGAGAGCT  
CCACAAGTGAAGGAGGAGATCATCGACGCCATCAGGCAGGAGCTGAGTGGGATCAGCACCACG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207094 representing NM\_016337  
 Red=Cloning site Green=Tags(s)

MATSEQSICQARASVMVYDDTSKKWVPIKPGQQGFSRINIYHNTASNTFRVVGVLQDQQVVINYSIVKG  
 LKYNQATPTFFHQWRDARQVYGLNFASKEEATTFSNAML FALNIMNSQEGGPSSQRQVQNGPSPDEMDIQR  
 RQVMEQHQQRQESLERRTSATGPILPPGHPSSAASAPVSCSGPPPPPPVPPPTGATPPPPPLPAG  
 GAQSSSHDESSMSGLAAA IAGAKLRRVQRPEDASGGSSPSGT SKSDANRASSGGGGGLMEEMKLLAKR  
 RKAASQSDKPAEKKEDESQMEDPSTSPSPGTRAASQPPNSSEAGRKPWERSNSVEKPVSSILSRTPSVAK  
 SPEAKSPLQSQPHSRMKPAGSVNDMALDAFDLDRMKQEILEEVVRELHKVKEEII DAIRQELSGISTT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016337

**ORF Size:** 1254 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\\_016337.3](#)

**RefSeq Size:** 1853 bp

**RefSeq ORF:** 1257 bp

**Locus ID:** 51466

**UniProt ID:** [Q9UI08](#)

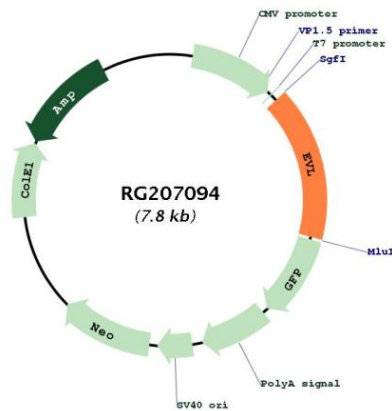
**Cytogenetics:** 14q32.2

**Domains:** WH1

**Protein Families:** Druggable Genome

**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 RG207094