

Product datasheet for **MG225912**

Fbln1 (NM_010180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbln1 (NM_010180) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbln1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG225912 representing NM_010180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCGCCCCGTGCCGTCGCGCCTCGTCCCGCTGCCGCTGCTGCTCAGCAGCCTCTCGTGTCTGG
 CAGCCCGAGCGAATGCAGACATCTCCATGGAGGCTTGTGCACGGATGGAAATCAGATGGCTAACCCAGCA
 CAGGGACTGCTCGCTGCCGTACACCTCAGAATCCAAGGAGTGCAGGATGGTCCAGGAGCAATGTTGTAC
 AACCAACTGGAAGAGCTGCACTGTGCCACGGGCATCAACCTGGCCAGCGAGCCAGAAGGCTGCGCCTCGC
 TCCACAGCTACAACAGTAGCCTTGAGACCATTTCATAAAGAGGTGCTGCCACTGTTGCATGCTGGGAAA
 GGCATCCCTGGCCGAGACCAGACCTGTGAACCCATTGTCATGATAAGCTACCAGTGTGGCTGGTGTTC
 CGTGCCTGCTGTGAAGGCCCGGAGAATTCAGACTTTGTCCAAGGCAACGGTGCAGACCTTCAGGACC
 CAGCTAAGATTCCTGACGAGGAGGACCAAGAAGACCCGTACCTGAATGACCGCTGTCGAGGTGGCGGCC
 CTGTAAGCAGCAGTGCCGTGACACTGGGGACGAGGTGATCTGCTCTTGTGTTGTGGGCTACCAGCTGCAG
 TCGGATGGTGTCTCTCGGAAGATATCAATGAATGCATCACAGGAGCCATAACTGCCGGCTGGGAGAAT
 CCTGCATCAATACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGTGGGACTGGCTATGAGCTCAC
 AGAGGATAATAACTGCAAAGATATTGACGAATGTGAGACTGGTATTTCATAACTGCCCCCCGATTTTATC
 TGTGAGAACTACTCGGGATCCTTCCGTTGCAGACCGAAGCTGCAGTGCAAGAGCGGCTTCATACAGGATG
 CTCTAGGCAACTGCATTGATATCAATGAGTGTTAAGTATCAGTGTCCATGCCCTGTGGGGCAGACATG
 CATCAATACAGAGGGCTCCTACACATGCCAGAAGAATGTGCCAACTGTGGCCGTGGTTATCATCTCAAT
 GAAGAGGGGACCCGCTGTGTTGATGTGGATGAGTGTCTCCACCGAGCGGACCCCTGTGGGAAGGGACACC
 ACTGCTGAACCTCCCCGGCAGCTTCCGCTGCGAGTGCAAGGCTGGCTTCTATTTTGTGGCATCAGCAG
 GACCTGCGTGGATATCAACGAGTGCCAGCGCTATCCCGGGCGCCTGTGTGGCCACAAGTGTGAGAACACG
 CCAGGCTCCTTCCACTGCAGCTGCTCCGCGGCTTCCGGCTGTCTGTGGACGGCCGGTCTTGTGAAGATG
 TGAACGAGTGTCTCAACAGCCCTTGACAGCAGGAGTGTGCTAATGTCTATGGCTCCTACCAGTGTATTG
 CCGACGAGGTTACCAGCTCAGTGACGTGGATGGGGTCCCTGCGAAGATATTGATGAGTGTGCCCTGCC
 ACTGGAGGTCACATCTGCTCCTACCCTGCATCAACATCCCCGGAAGCTTCCAGTGCAGCTGCCCTCAT
 CTGGCTACAGGCTAGCTCCCAATGGCCGCAACTGCCAAGACATTGATGAGTGTGTGACCGGCATCCATAA
 CTGTTCCATCAATGAGACTTGTCTCAACATCCAGGGCAGCTTCCGCTGTCTGTCTTTGAATGCCCCGAG
 AACTATCGCCGCTCCGCAGACACCTTCCGCCAAGAGAAAACAGACACCGTCCGCTGCATCAAGTCTTGCC
 GTCCCAACGATGAGGCCTGCGTGCGGGACCTGTACATACCGTCTCCACACCGTCTCGCTGCCCCAC
 CTTTCGAGAGTTCACCCGCTCCTGAGGAGATCATCTTTCTGAGGGCTGTACACCGCTGTACCCCGCAAC
 CAGGCCGACATCATCTTCGACATCACAGAAGGGAACCTTCGAGACTCCTTTGATATCATCAAGCGTATG
 AGGACGGCATGACTGTGGGTGTCGTGCGCAAGTGCGGCCATCGTGGGCCCGTTTTACGCTGTCCTGAA
 GCTGGAGATGAACACTCGTGTGGGAGGCGTAGTTTCCACCGAAGCTCGTCAATGTACACATCTTCGTC
 TCCGAGTACTGGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225912 representing NM_010180
 Red=Cloning site Green=Tags(s)

MERPVP SRLVPLPL LLLSSLLAARANADISMEACCTDGNQMANQHRDCSLPYTSESKECRMVQECCCH
 NQLEELHCATGINLASEPEGCASLHSYNSLETIFIKRCCHCCMLGKASLARDQTCEPIVMISYQCGLVF
 RACCVKARENSDFVQNGADLQDPAKIPDEEDQEDPYLNDRCRGGGPKQQCRDTGDEVICSCFVGYQLQ
 SDGVSCEDI NECITGSHNCRLGESCINTVGSFRCQRDSSCGTGYELTEDNNCKDIDECETGIHNCPPDFI
 CQNTLGSFRCRPKLQCKSGFIQDALGNCIDINECL SISAPCPVGQTCINTEG SYTCQKNVPNCGRGYHLN
 EEGTRCVDVDECSPPAEPGKGGHCLNSPGSFRCECKAGFYFDGISRTCVDINECQRYPGRLCGHKCENT
 PGSFHCSCSAGFRLSVDGRSCEDVNECLNSPCSQECANVYGSYQCYCRRGYQLSDVDGVT CEDIDECALP
 TGGHICSYRCINIPGSFQCSCPSSGYRLAPNGRNCQDIDECVTGIHNC SINETCFNIQGSFRCLSFECPE
 NYRRSADTFRQEKD TTVRCIKSCRPNDEACVRDPVHTVSHTVISLPTFREFTRPEEIIIFLRAVTPLYPAN
 QADII FDI TE GNLRDSFDIIKRYEDGMTVG VVRQVRPIVGP FYAVLKLEMN YVLGGVVSHRNVVNVHIFV
 SEYWF

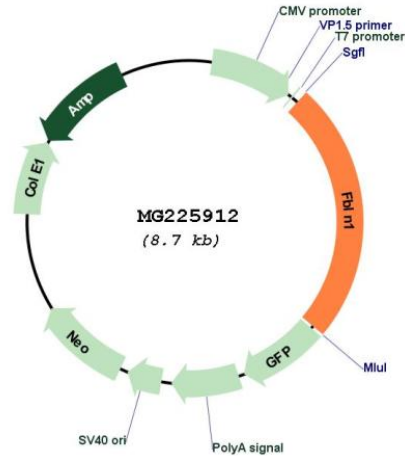
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_010180

ORF Size: 2115 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_010180.2](#), [NP_034310.2](#)

RefSeq Size: 3359 bp

RefSeq ORF: 2118 bp

Locus ID: 14114

UniProt ID: [Q08879](#)

Cytogenetics: 15 E2

Gene Summary: Incorporated into fibronectin-containing matrix fibers. May play a role in cell adhesion and migration along protein fibers within the extracellular matrix (ECM). Could be important for certain developmental processes and contribute to the supramolecular organization of ECM architecture, in particular to those of basement membranes.[UniProtKB/Swiss-Prot Function]