

Product datasheet for **MG226107**

Fbln5 (NM_011812) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbln5 (NM_011812) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbln5
Synonyms:	A55; DANCE; EVEC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226107 representing NM_011812
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGGATTA AAAAGGATACTACTGTTACCATCTTGGCACTCTGGCTTCCACATCCTGGGAATGCAC
 AGCAGCAGTGCACAAACGGCTTTGACCTGGACCGCCAGTCAGGACAGTGTCTAGATATTGATGAATGCCG
 GACCATCCCTGAGGCTTGTCTGGGGACATGATGTGTGTCAACCAAGATGGCGGGTATTTGTGCATCCCT
 CGAACCAACCCAGTGTATCGAGGGCCTTACTCAAATCCCTACTCTACATCCTACTCAGGCCCATACCCAG
 CAGCGGCCACCAGTACCAGCTTCCAACCTACCCACGATTTCAAGGCCTCTTGTCTGCCGCTTTGGGTA
 TCAGATGGATGAAGGCAACCAAGTGTGTGGATGTGGACGAGTGTGCAACAGACTCACACCAGTGAACCCCT
 ACCCAGATCTGTATCAACACTGAAGGAGGTTACACCTGCTCCTGCACCGATGGTACTGGCTTCTGGAAG
 GGCAGTGCCTAGATATTGATGAATGTCGCTATGGTTACTGCCAGCAGCTCTGTGCAAATGTTCCAGGATC
 CTATTCCTGTACATGCAACCCCTGGTTTACCCTCAACGACGATGGAAGGCTTGCCAAGATGTGAACGAG
 TGGCAAACCTGAGAATCCCTGTGTTCAGACCTGTGTCAACACCTATGGCTCTTTCATCTGCCGCTGTGACC
 CAGGATATGAACTTGAGGAAGATGGCATTCACTGCAGTGTATGGACGAGTGCAGCTTCTCCGAGTTCCT
 CTGTCAACACGAGTGTGTGAACCAAGCCGGGCTCATACTTCTGCTCGTGCCTCCAGGCTACGTCCTGTTG
 GATGATAACCGAAGCTGCCAGGATATCAATGAATGTGAGCACCAGCAACACACGTTACCTCACTGCAGA
 CTTGCTACAATCTACAAGGGGGCTTCAAATGTATTGATCCCATCAGCTGTGAGGAGCCTTATCTGCTGAT
 TGGTGAACCGCTGTATGTGCTCCTGCTGAGCACACCAGCTGCAGAGACCAGCCATTACCATCCTGTAT
 CCGGACATGGATGTGGTGTGTCAGGACGCTCCGTTCTGCTGACATCTTCCAGATGCAAGCAACAACCCGAT
 ACCCTGGTGCCTATTACATTTTCCAGATCAAATCTGGCAACGAGGGTTCGAGAGTTCTATATGCGGCAAC
 AGGGCCTATCAGTGCACCCCTGGTGTGATGACACGCCCCATCAAAGGCCTCGGGACATCCAGCTGGACTTG
 GAGATGATCACTGTCAACACTGTCATCAACTTCAGAGGCAGCTCCGTGATCCGACTGCGGATATATGTGT
 CGCAGTATCCGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226107 representing NM_011812
 Red=Cloning site Green=Tags(s)

MPGLKRILTVTILALWLPHPGNAQQQCTNGFDLDRQSGQCLDIDECRTIPEACRGDMMCVNQNGGYLCIP
 RTNPVYRGPYSNPYSTSYSGPYPAAPPVPASNYPTISRPLVCRFGYQMDEGNQCVDVDECATDSHQCNP
 TQICINTEGGYTCSDTDGYWLLLEGQCLDIDECRYGYCQQLCANVPGYSCTCNPGFLLNDDGRSCQDVNE
 CETENPCVQTCVNTYGSFICRCDPGYELEEDGIHCSMDDECSFSEFLCQHECVNQPGSYFCSCPPGYVLL
 DDNRSCQDINECEHRNHTCTSLQTCYNLQGGFKCIDPISCEEPYLLIGENRCMCPAHTSCRDPFTILY
 RMDVVSGRSVPADIFQMQATTRYPGAYYIFQIKSGNEGREFYMRQTGPISATLVMTRPIKGRDILQDL
 EMITVNTVINFRGSSVIRLRIYVSQYPF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_011812.4
RefSeq Size:	5832 bp
RefSeq ORF:	1347 bp
Locus ID:	23876
UniProt ID:	Q9WVH9
Cytogenetics:	12 E
Gene Summary:	<p>Essential for elastic fiber formation, is involved in the assembly of continuous elastin (ELN) polymer and promotes the interaction of microfibrils and ELN (By similarity). Stabilizes and organizes elastic fibers in the skin, lung and vasculature. Promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. Vascular ligand for integrin receptors which may play a role in vascular development and remodeling (PubMed:11805835). May act as an adapter that mediates the interaction between FBN1 and ELN (By similarity). [UniProtKB/Swiss-Prot Function]</p>