

## Product datasheet for **RG224482**

### Fibulin 1 (FBLN1) (NM\_006487) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_006487) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBLN1
Synonyms:	FBLN; FIBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG224482 representing NM\_006487  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCGCTCCGCTGCTGCTGCTCGGCGCCTTGCCTGCTGG  
 CGGCCGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA  
 GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGAGGAGCAGTGTGCCAC  
 AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC  
 CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG  
 GGCGGCCAGGCCAGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC  
 CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCCAAGAAACGGATAAGA  
 TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGCCGAGGAGCGGGCCCTGCAA  
 GCAGCAGTCCGAGACACGGGTGACGAGTGGTCTGCTCCTGCTTCGTGGGCTACCAGCTGCTGTCTGAT  
 GGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGAGAATCCTGCA  
 TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGGACTGGCTATGAGCTCACAGAGGA  
 CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTATAACTGCCTCCCCGATTTTATCTGTGAG  
 AATACTCTGGGATCCTTCCGCTGCCGACCCAAGCTACAGTGAAGAGTGGCTTTATAAGATGCTCTAG  
 GCAACTGTATTGATATCAATGAGTGTGAGTATCAGTGGCCCGTGCCTATCGGGCATAACATGCATCAA  
 CACAGAGGGCTCCTACAGTGCAGAGAAGACGTGCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG  
 GGAACCGCTGTGTTGATGTGGACGAGTCCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCGCTGCC  
 TGAATCTCCCGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGATGTG  
 TGTGATGTCAACGAGTGCAGCGCTACCCGGGCGCCTGTGTGGCCACAAGTCCGAGAACACGCTGGGC  
 TCTACCTCTGCAGCTGTTCCGCTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAATG  
 AGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAACGTCTACGGCTCTACCAGTGTACTGCCGGCG  
 AGGCTACCAGCTCAGCGATGTGGATGGAGTCACTGTGAAGACATCGACGAGTGCGCCCTGCCACCGGG  
 GGCCACATCTGCTCCTACCGCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCT  
 ACAGGCTGGCCCCAATGGCCGCACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAACCTGCTC  
 CATCAACGAGACCTGCTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCAGTGCCTGAGAACTAC  
 CGCCGCTCCGACGCCACA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG224482 representing NM\_006487  
 Red=Cloning site Green=Tags(s)

MERAAPSRVPLPLLLLGLALLAAGVDADVLLVLEACCADGHRMATHQKDCSLPYATESKECRMVQEQCCH  
 SQLEELHCATGISLANEQDRCATPHGDNASLEATFVKRCCHCCLLGRAAQAQGGQSCYEYSLMVGYYQCGQVF  
 RACCVKSQETGDLVGGVQETDKIIIEVEEEQEDPYLNDRCRGGGPKQQRDTGDEVVCSFVGYQLLSD  
 GVSCEDVNECITGSHSRLGESCINTVGSFRCQRDSSCGTYELTEDNSCKDIDECESGIHNCPLPDFICQ  
 NTLGSFRCRPLQCKSGFIQDALGNCIDINECLISAPCPIGHTCINTEGYSYTCQKNVPNCGRGYHLNEE  
 GTRCVDVDECAPPAEPCGKGRHRCVNSPFSFRCECKTGYFFDGI SRMCVDVNECQRYPGRLCGHKCENTLG  
 SYLCSCSVGFRLSVDGRSCEDINECSSSPCSQECANVYGSYQCYCRRGYQLSDVDGVTCEIDICALPTG  
 GHICSYRCINIPGSFQCSPPSSGYRLAPNGRNCQDIDECVTGIHNCINETCFNIQGGFRCLAFCEPENY  
 RRSAAAT

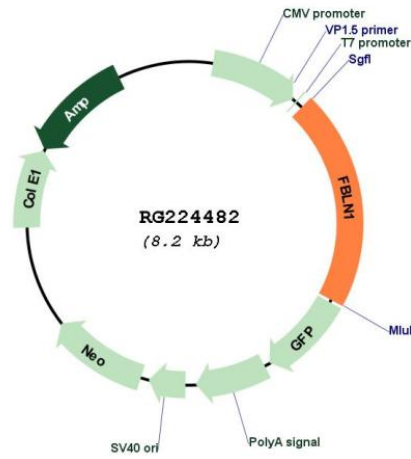
**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**Plasmid Map:**


ACCN: NM\_006487  
 ORF Size: 1698 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006487.2</a> , <a href="#">NP_006478.2</a>
<b>RefSeq Size:</b>	2485 bp
<b>RefSeq ORF:</b>	1701 bp
<b>Locus ID:</b>	2192
<b>UniProt ID:</b>	<a href="#">P23142</a>
<b>Cytogenetics:</b>	22q13.31
<b>Domains:</b>	ANATO, EGF_CA, EGF, EGF
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	Fibulin 1 is a secreted glycoprotein that becomes incorporated into a fibrillar extracellular matrix. Calcium-binding is apparently required to mediate its binding to laminin and nidogen. It mediates platelet adhesion via binding fibrinogen. Four splice variants which differ in the 3' end have been identified. Each variant encodes a different isoform, but no functional distinctions have been identified among the four variants. [provided by RefSeq, Jul 2008]