

Product datasheet for **RG215404**

Fibulin 1 (FBLN1) (NM_006485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_006485) 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)



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ORF Nucleotide Sequence:

>RG215404 representing NM_006485
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCGCTCCGCTGCTGCTGCTCGGCGCCTTGCCTGCTGG
 CGGCCGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA
 GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTGCCAC
 AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC
 CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG
 GCGGCCACAGGCCAGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC
 CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCCAAGAAACGGATAAGA
 TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGCCGAGGAGCGGGCCCTGCAA
 GCAGCAGTCCGAGACACGGGTGACGAGTGGTCTGCTCCTGCTTCGTGGGCTACCAGTGTGTCTGAT
 GGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCA
 TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGGACTGGCTATGAGCTCACAGAGGA
 CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTATAACTGCCTCCCCGATTTTATCTGTGAG
 AATACTCTGGGATCCTTCCGCTGCCGACCCAAGCTACAGTGAAGAGTGGCTTTATAAAGATGCTCTAG
 GCAACTGTATTGATATCAATGAGTGTGAGTATCAGTGGCCCGTGCCTATCGGGCATAACATGCATCAA
 CACAGAGGGCTCCTACAGTGCAGAGAAGACGTGCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG
 GGAACGCGCTGTGTTGATGTGGACGAGTCCGCGCCACCTGCTGAGCCCTGTGGAAAGGGACATCGCTGCC
 TGAATCTCCCGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGATGTG
 TGTCGATGTCAACGAGTGCACGCGCTACCCCGGGCGCCTGTGTGGCCACAAGTCCGAGAACAACGCTGGC
 TCTACCTCTGCAGCTGTTCCGTTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAATG
 AGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAACGTCTACGGCTCTACCAGTGTACTGCCGGCG
 AGGCTACCAGCTCAGCGATGTGGATGGAGTCACTGTGAAGACATCGACGAGTGCGCCCTGCCACCGGG
 GGCCACATCTGCTCCTACCGCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCT
 ACAGGCTGGCCCCAATGGCCGCACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAACCTGCTC
 CATCAACGAGACCTGCTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAACTAC
 CGCGCTCCGACCCACGAGAAATCCAAGAAGGGAAGGCAGAACACCCAGCGGATCAAGTAAAGAGG
 ACTGCAGGGTTCTTCATGGAAGCAGGGTTGGAGGATACCCACCTTGATGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215404 representing NM_006485
 Red=Cloning site Green=Tags(s)

MERAAPSRVPLPLLLLGLALLAAGVDADVLEACCADGHRMATHQKDCSLPYATESKECRMVQECCCH
 SQLEELHCATGISLANEQDRCATPHGDNASLEATFVKRCCHCCLLGRAAQAGQSQCEYSLMVGYYCQGQVF
 RACCVKSETGDLDVGGQLQETDKIIIEVEEEQEDPYLNDRCRGGGPKQQRDTGDEVVCSFVGYQLLSD
 GVSCEDVNECITGSHSRLGESCINTVGSFRCQRDSSCGTGYELTEDNSCKDIDECESGIHNLPDFICQ
 NTLGSFRCRPKLQCKSGFIQDALGNCIDINECLISAPCPIGHTCINTEGSYTCQKNVPNCGRGYHLNEE
 GTRCVDVDECAPPAEPCGKGHRCVNSPGSFRCECKTGYFDFGISRMCVDVNECQRYPGRLCGHKCENTLG
 SYLCSVGFRLSVDGRSCEDINECSSPSCQECANVYGSYQCYCRRGYQLSDVDGVTCEDIDECALPTG
 GHICSYRCINIPGSFQCSPPSSGYRLAPNGRNCQDIDECVTGIHNCINETCFNIQGGFRCLAFCEPENY
 RRSAAATQKSKKGRQNTPAGSSKEDCRVLPWKQGLDTHLDA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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:	<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_006485.3
RefSeq Size:	2662 bp
RefSeq ORF:	1806 bp
Locus ID:	2192
UniProt ID:	P23142
Cytogenetics:	22q13.31
Protein Families:	Secreted Protein
Gene Summary:	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]