

Recombinant Full Length Human FBLN5 Protein, C-Flag-tagged

Cat. No. FBLN5-588HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FBLN5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a secreted, extracellular matrix protein containing an Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. It is prominently expressed in developing arteries but less so in adult vessels. However, its expression is reinduced in balloon-injured vessels and atherosclerotic lesions, notably in intimal vascular smooth muscle cells and endothelial cells. Therefore, the protein encoded by this gene may play a role in vascular development and remodeling. Defects in this gene are a cause of autosomal dominant cutis laxa, autosomal recessive cutis laxa type I (CL type I), and age-related macular degeneration type 3 (ARMD3).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.8 kDa
AA Sequence	MPGIKRILTVTILALCLPSPGNAQAQCTNGFDLDRQSGQCLDIDECRTIPEACRGDM MCVNQNGGYLCIP RTNPVYRGPYSNPYSTPYSGPYPAAPPLSAPNYPTISRPLICR

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FGYQMDESNQCVDVDECATDSHQCNP TQICINTEGGYTCSCTDGYWLLEGQCLDI
 DECRYGYCQQLCANVPGSYSCTCNP GFTLNEDGRSCQDVNE CATENPCVQTCVN
 TYGSFICRCDPGYELEEDGVHCSDMDECSFSEFLCQHECVNQPGTYFCSCPPGYIL
 L DDNRSCQDINECEHRNHTCNLQQTCYNLQGGFKCIDPIRCEEPYLRISDNRCMCP
 AENPGCRDQPFTILY RDMDVVSGRSVPADIFQM QATTRYPGAYYIFQIKSGNEGRE
 FYMRQTGPISATLVMTRPIKGPRIQLDL
 EMITVNTVINFRGSSVIRLRIYVSQYPFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

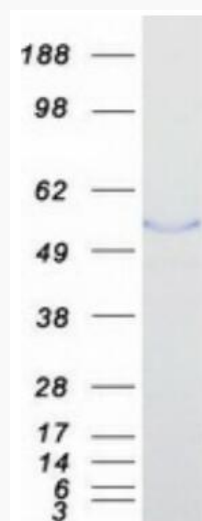
Gene Name	FBLN5 fibulin 5 [Homo sapiens (human)]
Official Symbol	FBLN5
Synonyms	EVEC; UP50; ADCL2; ARMD3; CMT1H; DANCE; ARCL1A; FIBL-5; HNARMD

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Gene ID	10516
mRNA Refseq	NM_006329.4
Protein Refseq	NP_006320.2
MIM	604580
UniProt ID	Q9UBX5



Coomassie blue staining of purified FBLN5 protein.