

Recombinant Full Length Human FBLN5 Protein, GST-tagged

Cat. No. FBLN5-4894HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FBLN5 full-length ORF (BAG52073.1, 1 a.a. - 448 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	448 amino acids
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). [provided by RefSeq, Jul 2008]
Molecular Mass	76.6 kDa
AA Sequence	MPGIKRILTVTILALCLPSPGNAQAQCTNGFDLDRQSGQCLDIDECRTIPEACRGDM MCVNQNGGYLCIPRTNPVYRGPYSNPYSTPYSGPYPAAPPLSAPNYPTISRPLICR FGYQMDESNQCVDVDECATDSHQCNPTQICINTEGGYTCSDTGYWLLEGQCLDI

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DECRYGYCQQLCANVPGSYSCTCNPGLNEDGRSCQDVNECATENPCVQTCVN
 TYGSFICRCDPGYELEEDGVHCSDMDECSFSEFLCQHECVNQPGTYFCSCPPGYIL
 LDDNRSCQDINECEHRNHTCNLQQTCYNLQGGFKCIDPIRCEEPYLRISDNRCMCP
 AENPGCRDQPFTILYRDMDVVSGRSVPADIFQMMAATTRYPGAYYIFQIKSGNEGREF
 YMRQTGPISATLVMTRPIKGPRIQLDLEMITVNTVINFRGSSVIRLRIYVSQYPF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FBLN5 fibulin 5 [Homo sapiens]

Official Symbol

FBLN5

Synonyms

FBLN5; fibulin 5; Fibulin 5; Developmental Arteries And Neural Crest EGF-Like Protein; Urine P50 Protein; FIBL-5; DANCE; UP50; Testis Tissue Sperm-Binding Protein Li 75n; Fibulin-5; ARCL1A; HNARMD; ADCL2; ARMD3; EVEC; fibulin-5; developmental arteries and neural crest EGF-like protein; testis tissue sperm-binding protein Li 75n; urine p50 protein

Gene ID

10516

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mRNA Refseq	NM_006329
Protein Refseq	NP_006320
MIM	604580
UniProt ID	Q9UBX5

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