

Recombinant Human FBLN5 protein, His & T7-tagged

Cat. No. FBLN5-7898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBLN5 aa. (Leu99~Cys205 (Accession # Q9UBX5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu99~Cys205
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	Freeze-dried powder
Molecular Mass	20kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.1.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

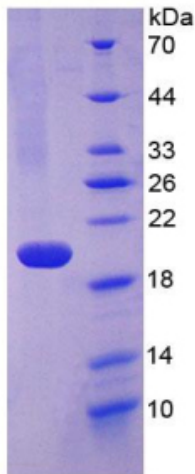
GENE INFORMATION

Gene Name	FBLN5 fibulin 5 [Homo sapiens (human)]
Official Symbol	FBLN5
Synonyms	FBLN5; fibulin 5; EVEC; UP50; ADCL2; ARMD3; DANCE; ARCL1A; FIBL-5; HNARMD; fibulin-5; developmental arteries and neural crest EGF-like protein; testis tissue sperm-binding protein Li 75n; urine p50 protein

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Gene ID	10516
mRNA Refseq	NM_006329.3
Protein Refseq	NP_006320.2
UniProt ID	Q9UBX5
SDS-PAGE	 15% SDS-PAGE