

Product datasheet for PH304683

Fibulin 5 (FBLN5) (NM_006329) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FBLN5 MS Standard C13 and N15-labeled recombinant protein (NP_006320)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204683
Predicted MW:	50.2 kDa
Protein Sequence:	>RC204683 protein sequence Red=Cloning site Green=Tags(s)

MPGIKRLITVTILALCLPSPGNAQAQCTNGFDLDRQSGQCLDIDECRTIPEACRGDMMCVNQNGGYLCIP
RTNPVYRGPYSNPYSTPYSGPYAAAPPLSAPNYPTISRPLICRFGYQMDESNCVDVDECATDSHCNP
TQICINTEGGYTCSDTDGYWLLEGQCLDIDECRYGYCQQLCANVPGSYSCTCNPGFNLNEDGRSCQDVNE
CATENPCVQTCVNTYGSFICRCDPGYELEEDGVHCSMDCECSFSEFLCQHECVNQPGTYFCSCPPGYILL
DDNRSCQDINECEHRNHTCNLQQTCYNLQGGFKCIDPIRCEEPLYRISDNRCMCPAENPGCRDQPFITLY
RDMDVVSGRSVPADIFQMQAATTRYPGAYYIFQIKSGNEGREFYMRQTGPISATLVMTRPIKGPRIQLDL
EMITVNTVINFRGSSVIRLRIYVSQYPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006320</u>
RefSeq Size:	2637
RefSeq ORF:	1344
Synonyms:	ADCL2; ARCL1A; ARMD3; DANCE; EVEC; FIBL-5; HNARMD; UP50



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Locus ID: 10516

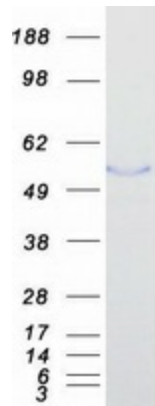
UniProt ID: [Q9UBX5](#), [A0A024R6G3](#)

Cytogenetics: 14q32.12

Summary: 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]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified FBLN5 protein (Cat# [TP304683]). The protein was produced from HEK293T cells transfected with FBLN5 cDNA clone (Cat# [RC204683]) using MegaTran 2.0 (Cat# [TT210002]).