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Datasheet for ABIN5855118 BLVRB Protein (AA 1-206) (His tag)

Overview

Quantity:	50 µg
Target:	BLVRB
Protein Characteristics:	AA 1-206
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BLVRB protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPQTPNYTR PVFLCGGDVK GESGYVASEG FPNLYPPNKE CIWTITVPEG QTVSLSFRVF DLELHPACRY DALEVFAGSG TSGQRLGRFC GTFRPAPLVA PGNQVTLRMT TDEGTGGRGF LLWYSGRATS GTEHQFCGGR LEKAQGTLLT PNWPESDYPP GISCSWHIIA PPDQVIALTF EKFDLEPDY CRYDSVSVFN GAVSDDSRRL GKFCGDAVPG SISSEGNELL VQFVSDLSVT ADGFSASYKT LPRGTAKGQ GPGPKRGTEP KVKLPPKSQP PEKTEESPSA PDAPTCPKQC RRTGTLQSNF CASSLVVTAT VKSMVREPG GLAVTVSLIG AYKTGGDLDP SPPTGASLKF YVPCKQCPPM KKGVSYLLMG QVEENRGPVL PPESFVVLHR PNQDQILTNL SKRKCPSPV RAAASQDHHH HHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	BLVRB
Alternative Name:	Blvrb (BLVRB Products)
Background:	PCOLCE, also known as procollagen C-endopeptidase enhancer 1, is a secreted extracellular matrix glycoprotein. This protein is expressed primarily by interstitial connective tissues such as tendons, calvaria, and skin. Also, fibrillar collagen types I-III are synthesized as precursor molecules known as procollagens. These precursors contain amino- and carboxyl-terminal peptide extensions known as N- and C-propeptides, respectively, which are cleaved, upon secretion of procollagen from the cell, to yield the mature triple helical, highly structured fibrils. Also, this protein binds and drives the enzymatic cleavage of type 1 procollagen and heightens C-proteinase activity. Recombinant human PCOLCE, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	46.6kDa (433aa) 40-57kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_002584
UniProt:	Q15113

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl (pH 8.0) containing 10 % glycerol, 0.1M NaCl.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.