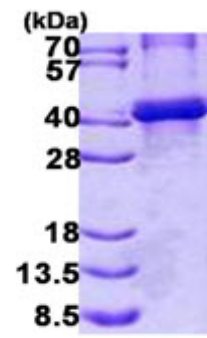


AR50812PU-S**Human Biglycan (38-368, His-tag) - Purified**

Alternate names:	BGN, Bone/cartilage proteoglycan I, PG-S1, PGS1, SLRR1A, Small Leucine-rich Protein 1A
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	BGN, also known as biglycan, is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. This protein plays a role in assembly of collagen fibrils and muscle regeneration. It interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI, and it is critical for the assembly of the dystrophin-associated protein complex.
Uniprot ID:	P21810
NCBI:	NP_001702
GeneID:	633
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Description:	Recombinant human BGN protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MDEEASGADT SGVLDPDSVT PTYSAMCPFG CHCHLRVVQC SDLGLKSVPK EISPDITLLD LQNNDISELR KDDFKGLQHL YALVLVNNKI SKIHEKAFSP LRKLQKLYIS KNHLVEIPPN LPSSSLVELRI HDNRIRKVPK GVFSGLRNMN CIEMGGNPLE NSGFEPGAFD GLKLNLYLRIS EAKLTGIPKD LPETLNELHL DHNKIQAIEL EDLLRYSKLY RLGLGHNQIR MIENGSLSF LPTLRELHLDN NKLARVPSGL PDLKLLQVVY LHSNNITKVG VNDFCPMGFG VKRAYYNGIS LFNNPVPYWE VQPATFRCVT DRLAIQFGNY KK Molecular weight: 39.5 kDa (352aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Babelova A. et al. (2009) J Biol Chem. 284:24035-24048.

Pictures:



15% SDS-PAGE (3ug)