

Product datasheet for AR50812PU-S

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Biglycan (38-368, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Biglycan (38-368, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MDEEASGADT SGVLDPDSVT PTYSAMCPFG CHCHLRVVQC or AA Sequence: SDLGLKSVPK EISPDTTLLD LQNNDISELR KDDFKGLQHL YALVLVNNKI SKIHEKAFSP LRKLQKLYIS

KNHLVEIPPN LPSSLVELRI HDNRIRKVPK GVFSGLRNMN CIEMGGNPLE NSGFEPGAFD

GLKLNYLRIS EAKLTGIPKD LPETLNELHL DHNKIOAIEL EDLLRYSKLY RLGLGHNOIR MIENGSLSFL

PTLRELHLDN NKLARVPSGL PDLKLLQVVY LHSNNITKVG VNDFCPMGFG VKRAYYNGIS

LFNNPVPYWE VQPATFRCVT DRLAIQFGNY KK

Tag: His-tag Predicted MW: 39.5 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea

Preparation: Liquid purified protein

Protein Description: Recombinant human BGN protein, fused to His-tag at N-terminus, was expressed in E.coli.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid Storage:

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001702

Locus ID: 633

UniProt ID: P21810, B4DNL4

Cytogenetics: Xq28

Synonyms: DSPG1; MRLS; PG-S1; PGI; SEMDX; SLRR1A





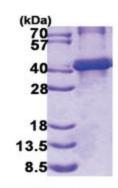
Summary:

This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in bone growth, muscle development and regeneration, and collagen fibril assembly in multiple tissues. This protein may also regulate inflammation and innate immunity. Additionally, the encoded protein may contribute to atherosclerosis and aortic valve stenosis in human patients. This gene and the related gene decorin are thought to be the result of a gene duplication. [provided by RefSeq, Nov 2015]

Protein Families:

Secreted Protein

Product images:



15% SDS-PAGE (3ug)