

## Product datasheet for **AR50812PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biglycan (38-368, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MDEEASGADT SGVLDPDSVT PTYSAMCPFG CHCHLRVQCS SDLGLKSVPK EISPDITLLD LQNNDISLR KDDFKGLQHL YALVLVNNKI SKIHEKAFSP LRLKQKLYIS KNHLVEIPP NLPSSLVELRI HDNRIRKVPK GVFSGLRNMN CIEMGGNPLE NSGFEPGAFD GLKLNLYLRIS EAKLTGIPKD LPETLNLHL DHNKIQAIEL EDLLRYSKLY RLGLGHNQIR MIENGSLSFL PTLRELHLDN NKLARVPSGL PDLKLLQVWY LHSNNITKVG VNDFCPMGFG VKRAYYNGIS LFNPNVPYWE 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.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001702</a>
Locus ID:	633
UniProt ID:	<a href="#">P21810</a> , <a href="#">B4DNL4</a>
Cytogenetics:	Xq28
Synonyms:	DSPG1; MRLS; PG-S1; PGI; SEMDX; SLRR1A



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**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:**