

Biglycan Human Recombinant

Item Number	rAP-3911
Synonyms	DSPG1, PG-S1, PGI, SLRR1A, Biglycan, Bone/cartilage proteoglycan I, BGN.
Description	BGN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 352 amino acids (38-368a.a) and having a molecular mass of 39.5kDa. BGN is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P21810
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDEEASGADT SGVLPDPSVT PTYSAMCPFG CHCHLRVVQC SDLGLKSVPK EISPDITLLD LQNNDISELR KDDFKGLQHL YALVLVNNKI SKIHEKAFSP LRKLQKLYIS KNHLVEIPPN LPSSLVELRI HDNRIRKVPK GVFSGLRNMN CIEMGGNPLE NSGFEPGAFD GLKLNYLRIS EAKLTGIPKD LPETLNELHL DHNKIAIEL EDLLRYSKLY RLGLGHNQIR MIENGSLSFL PTLRELHLDN NKLARVPSGL PDLKLLQVVY LHSNNITKVG VNDFCPMGFG VKRAYNGIS LFNNVPYWE VQPAT- FRCVT DRLAIQFGNY KK.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	BGN protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**