9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BGN Human

Biglycan Human Recombinant
RCP0211

Product Overview

Name	BGN Human
Description	
Biglycan Human Recombinant	
Accession (Primary)	P21810
Synonyms	
DSPG1, PG-S1, PGI, SLRR1A, Biglycan, Bone/cartilage proteoglycan I, BGN.	
Introduction	
Biglycan (BGN) is a small cellular or pericellular matrix proteoglycan which takes part in assembly of collagen fibrils and muscle regeneration. BGN is closely correlated in structure to two other small proteoglycans, decorin and fibromodulin. BGN interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI. BGN is also critical for the assembly of the dystrophin-associated protein complex.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
BGN protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M DEEASGADT SGVLDPDSVT PTYSAMCPFG CHCHLRVVQC SDLGLKSVPK EISPDTTLLD LQNNDISELR KDDFKGLQHL YALVLVNNKI SKIHEKAFSP LRKLQKLYIS KNHLVEIPPN LPSSLVELRI HDNRIRKVPK GVFSGLRNMN CIEMGGNPLE NSGFEPGAFD GLKLNYLRIS EAKLTGIPKD LPETLNELHL DHNKIQAIEL EDLLRYSKLY RLGLGHNQIR MIENGSLSFL PTLRELHLDN NKLARVPSGL PDLKLLQVVY	

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LHSNNITKVG VNDFCPMGFG VKRAYYNGIS LFNNPVPYWE VQPATFRCVT DRLAIQFGNY KK.

Precautions

BGN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P21810)