

Recombinant Full Length Human BGN Protein, GST-tagged

Cat. No. BGN-1618HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BGN full-length ORF (AAH02416.1, 1 a.a. - 368 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	368 amino acids
Description	The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The encoded protein and decorin are thought to be the result of a gene duplication. Decorin contains one attached glycosaminoglycan chain, while this protein probably contains two chains. For this reason, this protein is called biglycan. This protein is thought to function in connective tissue metabolism by binding to collagen fibrils and transferring growth factor-beta. It may promote neuronal survival. This gene is a candidate gene for the Happle syndrome.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	66.22 kDa
AA Sequence	MWPLWRLVSL LALSQALPFE QRGFWDFITLD DGPFMMNDEE ASGADTSGVL DPDSVTPTYS AMCPFGCHCH LRVVQCSDLG LKSVPKEISP DTTLLDLQNN DISELRKDDF KGLQHLYALV LVNNKISKIH EKAFSPLRKL QKLYISKNHL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VEIPPNLPS LVELRIHDNR IRKVPKGVFS GLRNMNCIEM GGNPLENSGF
EPGAFDGLKL NYLRISEAKL TGIPKDLPET LNELHLDHNK IQAIELEDLL
RYSKLYRLGL GHNQIRMIEN GSLSFLPTLR ELHLDNNKLA RVPSGLPDLK
LLQVVYLHSN NITKVGVNDF CPMGFGVKRA YYNGISLFNN PVPYWEVQPA
TFRCVTDRLA IQFGNYKK

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BGN biglycan [Homo sapiens]

Official Symbol BGN

Synonyms BGN; biglycan; biglycan proteoglycan; DSPG1; SLRR1A; bone/cartilage proteoglycan I; bone/cartilage proteoglycan-I; small leucine-rich protein 1A; dermatan sulphate proteoglycan I; PGI; PG-S1

Gene ID 633

mRNA Refseq NM_001711

Protein Refseq NP_001702

MIM 301870

UniProt ID P21810

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