

Product Data Sheet

Recombinant Human BGN Protein

Catalog #	Source	Reactivity	Applications
CRP1115	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human BGN Protein is produced by our Mammalian expression system and the target gene encoding Glu20-Lys368 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
Gene Symbol	BGN		
Alternative Names	SLRR1A; Biglycan; Bone/cartilage proteoglycan I; PG-S1		
Entrez Gene	633 (Human)		
SwissProt	P21810 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>EQRGFWDFTL DDGPFMMNDE EASGADTSVG LDPDSVTPTY SAMCPFGCHC</p> <p>HLRVVQCSDL GLKSVPKEIS PDTLLDLQN NDISELRKDD FKGLQHLYAL VLVNNKISKI</p> <p>HEKAFSPLRK LQKLYISKNH LVEIPPNLPS SLVELRIHDN RIRKVPKGVF SGLRNMNCIE</p> <p>MGGNPLENSG FEPGAFDGLK LNYLRISEAK LTGIPKDLPE TLNELHLDHN KIQAIELEDL</p> <p>LRYSKLYRLG LGHNQIRMIE NGSLSFLPTL RELHLDNNKL ARVPSGLPDL KLLQVVYLHS</p> <p>NNITKVGVDN FCPMGFGVKR AYYNGISLFN NPVPYWEVQP ATFRCTDRL AIQFGNYKKV</p> <p>DHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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