

## Recombinant Human BGN protein, His-tagged

**Cat. No.** BGN-44H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BGN protein(NP_001702.1)(Asp38-Lys368) is expressed in HEK293, fused with a 6×His tag at the C-terminus.                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 38-368 aa                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.                                                                                                                                                   |
| <b>Molecular Mass</b>   | 38.08 kDa                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                             |
| <b>Purity</b>           | ≥ 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.                                                         |
| <b>Reconstitution</b>   | Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% |

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HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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

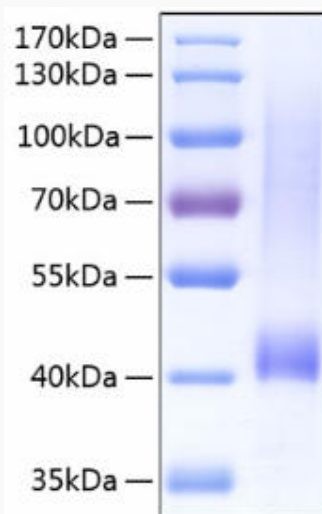
**UniProt ID** P21810

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SDS-PAGE



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