

## Recombinant Human BGN protein (Asp38-Lys368), His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BGN (NP_001702.1) (Asp38-Lys368) protein, fused with a polyhistidine tag at the C-terminus, was expressed in Baculovirus-Insect Cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	38-368 a.a.
<b>CommonName</b>	BGN
<b>Predicted N Terminal</b>	Asp 38
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
<b>Molecular Mass</b>	The recombinant human BGN consists of 342 amino acids and predicts a molecular mass of 38.7 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Shipping**

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## 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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