



Recombinant Human BGN Protein Product Manual

1. Product Basic Information

Product No.: REP06257

Protein Name: Dermatan Sulphate Proteoglycan I (BGN)

Aliases: PGI; MRLS; DSPG1; PG-S1; SEMDX; SLRR1A; biglycan; dermatan sulphate proteoglycan I

UniProt ID: P21810

UniProt Link: <https://www.uniprot.org/uniprotkb/P21810/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (38-368aa)

Molecular Weight: 57.2kDa

Protein Tag: N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (38-368aa)

DEEASGADTSGVLDPDSTPTYSAMCPFGCHCHLRVVQCSDLGLKSVPKEISPD
TTLLDLQNNDISELRKDDFKGLQHLYALVLVNNKISKIHEKAFSPLRKLQKLYISK
NHLVEIPPNLPSLVELRIHDNRIRKVPKGVFSGLRNMNCIEMGGNPLENSGFEP
GAFDGLKLNLYRISEAKLTGIPKDLPETLNELHLDHNKIQAIELEDLLRYSKLY
RLGLGHNQIRMIENGSLSFLPTLRELHLDNNKLARVPSGLPDLKLLQVVYLH
SNNITKVGVNDFCPMGFGVKRAYYNGISLFNNPVPYWEVQPATFRCVTDRLAIQ
FGNYKK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human BGN full length of mature protein protein (38-368aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. BGN, also known as PGI or MRLS or DSPG1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.