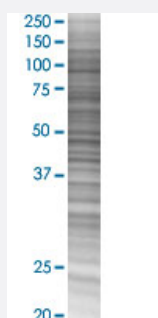


# BGN 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000633-T01

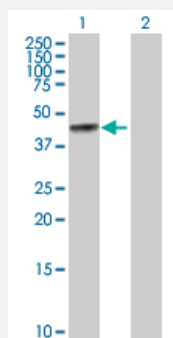
Size 100 uL

## Applications



### SDS-PAGE Gel

BGN transfected lysate.



### Western Blot

Lane 1: BGN transfected lysate ( 41.70 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-BGN full-length

**Host** Human

**Theoretical MW (kDa)** 41.7

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-BGN antibody ([H00000633-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
BGN transfected lysate.  
Western Blot  
Lane 1: BGN transfected lysate ( 41.70 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — BGN

**Entrez GeneID**[633](#)**GeneBank Accession#**[NM\\_001711.3](#)**Protein Accession#**[NP\\_001702.1](#)**Gene Name**

BGN

**Gene Alias**

DSPG1, PG-S1, PGI, SLRR1A

**Gene Description**

biglycan

**Omim ID**[301870](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000025928|biglycan proteoglycan|bone/cartilage proteoglycan-|dermatan sulphate proteoglycan |small leucine-rich protein 1A