

Recombinant Rat Bgn protein, His-tagged

Cat. No. Bgn-1641R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bgn aa. (Ser48~Leu158 (Accession # P47853)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ser48~Leu158
Description	Proteoglycan; may play a role in vascular remodeling.
Form	Freeze-dried powder
Molecular Mass	14kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.2

GENE INFORMATION

Gene Name	Bgn biglycan [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Bgn
Synonyms	Bgn; biglycan; BSPG1; PG-S1; Small proteoglycan I (biglycan), bone (BSPG1) (bone/cartilage proteoglycan 1 precursor); bone/cartilage proteoglycan 1; bone/cartilage proteoglycan I
Gene ID	25181
mRNA Refseq	NM_017087.1
Protein Refseq	NP_058783.1
UniProt ID	P47853

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