Recombinant Rat Gbp2 protein, His & T7-tagged

Cat. No. Gbp2-1261R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gbp2 aa. (Asn35~Ala276 (Accession # Q63663) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asn35~Ala276
Description	In vitro substrate for isoprenylation by geranylgeranylpyrophosphate.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

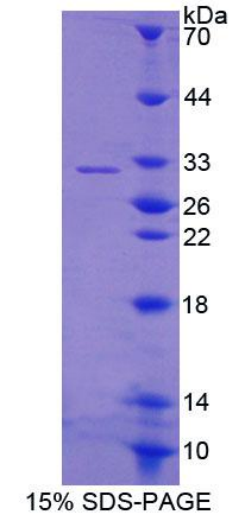
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	at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
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 lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	Gbp2 guanylate binding protein 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Gbp2
Synonyms	Gbp2; guanylate binding protein 2; guanylate-binding protein 1; GBP-2; GTP-binding protein 2; guanine nucleotide-binding protein 2; guanylate binding protein 2, interferon-inducible; guanylate nucleotide binding protein 2; interferon-induced guanylate-binding protein 2; isoprenylated 67 kDa protein; p67
Gene ID	171164
mRNA Refseq	NM_133624.2
Protein Refseq	NP_598308.1
UniProt ID	Q63663

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SDS-PAGE	 15% SDS-PAGE

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