

Recombinant Human GBP7 protein, His & T7-tagged

Cat. No. GBP7-1256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP7 aa. (Thr35~Lys277 (Accession # Q8N8V2) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr35~Lys277
Description	Guanylate-binding proteins, such as GBP7, are induced by interferon and hydrolyze GTP to both GDP and GMP (Olszewski et al., 2006 [PubMed 16689661]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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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. (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

GBP7 guanylate binding protein 7 [Homo sapiens (human)]

Official Symbol

GBP7

Synonyms

GBP7; guanylate binding protein 7; GBP4L; guanylate-binding protein 7; GBP-7; GTP-binding protein 7; guanine nucleotide-binding protein 7

Gene ID

388646

mRNA Refseq

NM_207398.2

Protein Refseq

NP_997281.2

UniProt ID

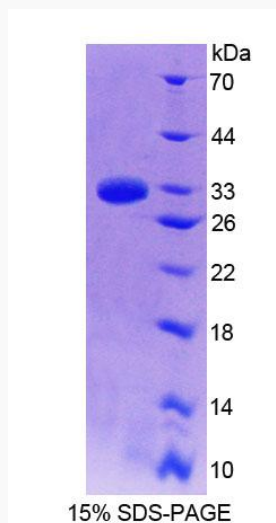
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SDS-PAGE



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