

## Recombinant Human GBP7 protein, His & T7-tagged

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

### SPECIFICATION

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

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	GBP7 guanylate binding protein 7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GBP7
<b>Synonyms</b>	GBP7; guanylate binding protein 7; GBP4L; guanylate-binding protein 7; GBP-7; GTP-binding protein 7; guanine nucleotide-binding protein 7
<b>Gene ID</b>	388646
<b>mRNA Refseq</b>	NM_207398.2
<b>Protein Refseq</b>	NP_997281.2
<b>UniProt ID</b>	Q8N8V2

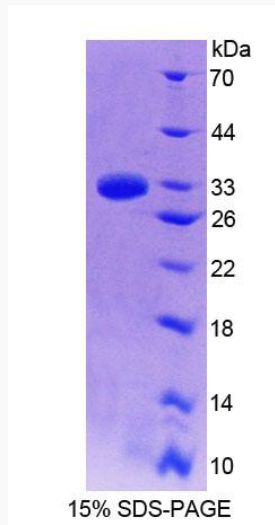
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**SDS-PAGE**



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