

Recombinant Human GBP4 protein, His & T7-tagged

Cat. No. GBP4-1777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP4 aa. (Met1~Lys292 (Accession # Q96PP9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys292
Description	Guanylate-binding proteins, such as GBP4, are induced by interferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005 [PubMed 16108726]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.5.
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

GBP4 guanylate binding protein 4 [Homo sapiens (human)]

Official Symbol

GBP4

Synonyms

GIF; gastric intrinsic factor; IF; INF; IFMH; TCN3; gastric intrinsic factor (vitamin B synthesis); intrinsic factor

Gene ID

115361

mRNA Refseq

NM_052941.4

Protein Refseq

NP_443173.2

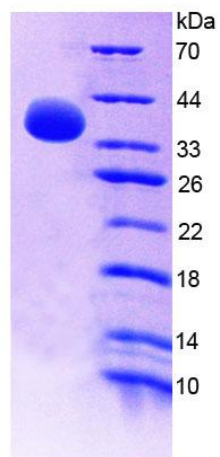
UniProt ID

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15% SDS-PAGE

SDS-PAGE

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