

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 ddH ₂ O.

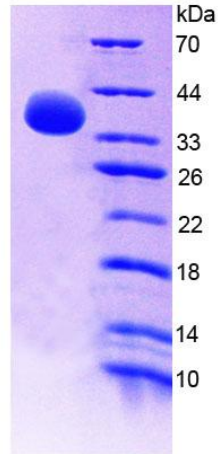
GENE INFORMATION

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	Q96PP9

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15% SDS-PAGE

SDS-PAGE

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