

Recombinant Human GBP5 protein, His & T7-tagged

Cat. No. GBP5-1258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP5 aa. (Thr35~Met276 (Accession # Q96PP8) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr35~Met276
Description	This gene belongs to the TRAFAC class dynamin-like GTPase superfamily. The encoded protein acts as an activator of NLRP3 inflammasome assembly and has a role in innate immunity and inflammation. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP.

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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 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

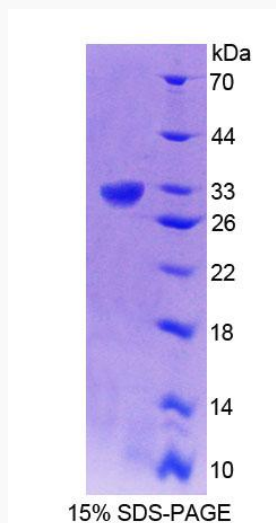
Gene Name	GBP5 guanylate binding protein 5 [Homo sapiens (human)]
Official Symbol	GBP5
Synonyms	GBP5; guanylate binding protein 5; GBP-5; guanylate-binding protein 5; GBP-TA antigen; GTP-binding protein 5; guanine nucleotide-binding protein 5
Gene ID	115362
mRNA Refseq	NM_001134486.2
Protein Refseq	NP_001127958.1
UniProt ID	Q96PP8

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SDS-PAGE



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