

Recombinant Human GBP2 protein, His & T7-tagged

Cat. No. GBP2-1688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP2 aa. (Thr35~Asn276 (Accession # P32456)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr35~Asn276
Description	This gene belongs to the guanine-binding protein (GBP) family, which includes interferon-induced proteins that can bind to guanine nucleotides (GMP, GDP and GTP). The encoded protein is a GTPase which hydrolyzes GTP, predominantly to GDP. The protein may play a role as a marker of squamous cell carcinomas.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate 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.

Isoelectric Point

5.9

GENE INFORMATION

Gene Name

GBP2 guanylate binding protein 2 [Homo sapiens (human)]

Official Symbol

GBP2

Synonyms

GBP2; guanylate binding protein 2; guanylate-binding protein 2; GTP-binding protein 2; guanine nucleotide-binding protein 2; guanylate binding protein 2, interferon-inducible; interferon-induced guanylate-binding protein 2

Gene ID

2634

mRNA Refseq

NM_004120.4

Protein Refseq

NP_004111.2

UniProt ID

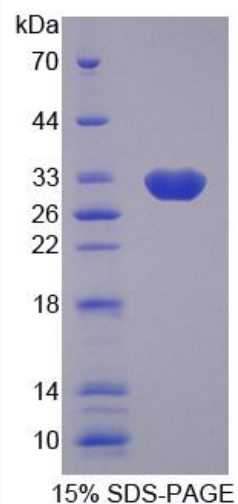
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SDS-PAGE



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