

Recombinant Human GBP1 protein, GST-tagged

Cat. No. GBP1-13180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP1 protein(242-592 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	242-592 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	VHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTKTLSGGIQVNGPRLESVL TYVNAISSGDLPCMENAVLALAQIENSAAVQKAI AHYEQQMGQKVQLPTESLQELL LHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCKQNQEASSDRCSGLLQ VIFSPLEEEVKAGIYSKPGGYRLFVQKLQDLKKKYEEPRKGIQAEIILQTYLKSKES MTDAILQTDQTLTEKEKEIEVERVKAESAQASAKMLQEMQRKNEQMMEQKERSYQ EHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQLLKEGFQKESRIMKNEIQDLQTK MRRRKACTIS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [GBP1 guanylate binding protein 1, interferon-inducible \[Homo sapiens \]](#)

Official Symbol [GBP1](#)

Synonyms GBP1; guanylate binding protein 1, interferon-inducible; guanylate binding protein 1, interferon inducible, 67kDa; interferon-induced guanylate-binding protein 1; GBP-1; huGBP-1; GTP-binding protein 1; guanine nucleotide-binding protein 1; guanylate binding protein 1, interferon-inducible, 67kDa;

Gene ID [2633](#)

mRNA Refseq [NM_002053](#)

Protein Refseq [NP_002044](#)

MIM [600411](#)

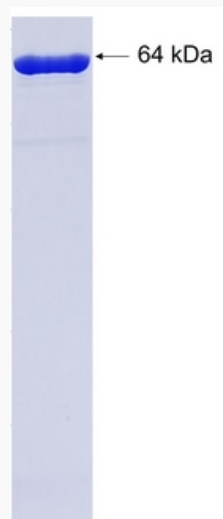
UniProt ID [P32455](#)

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SDS-PAGE



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