

Recombinant Human GBP1 protein, His-tagged

Cat. No. GBP1-13181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GBP1 protein(242-592 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	242-592 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	VHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTKTLSSGGIQVNGPRLESLVL TYVNAISSGDLPCMENAVLALAQIENSAAVQKAIAHYEQQMGQKVQLPTESLQELLD LHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCKQNQEASSDRCSGLLQ VIFSPLEEEVKAGIYSKPGGYRLFVQKLQDLKKKYEEPRKGIQAEEILQTYLKSKE MTDAILQTDQTLTEKEKEIEVERVKAESAQASAKMLQEMQRKNEQMMEQKERSYQ EHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQLLKEGFQKESRIMKNEIQDLQTK MRRRKACTIS
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
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

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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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