

## Recombinant Human GBP1 protein, GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GBP1 protein(242-592 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 242-592 aa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 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). |
| <b>AASequence</b>       | VHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTKTLSSGGIQVNGPRLESVL<br>TYVNAISSGDLPCMENAVLALAQIENSAAVQKAIHAEYQQMGQKVQLPTESLQELL<br>LHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCKQNQEASSDRCSGLLQ<br>VIFSPLEEEVKAGIYSKPGGYRLFVQKLQDLKKKYEEPRKGIQAEIILQTYLKSKES<br>MTDAILQTDQTLTEKEKEIEVERVKAESAQASAKMLQEMQRKNEQMMEQKERSYQ<br>EHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQLLKEGFQKESRIMKNEIQDLQTK<br>MRRRKACTIS        |
| <b>Purity</b>           | 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](#)

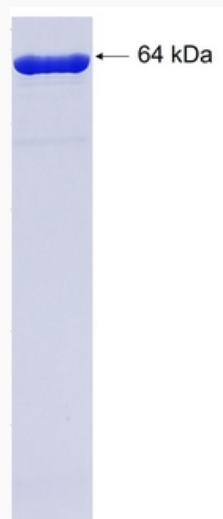
**UniProt ID** [P32455](#)

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## SDS-PAGE



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