

Recombinant Full Length Human GBP1 Protein

Cat. No. GBP1-182HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GBP1 with N terminal proprietary tag; Predicted MWt 91.23 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	592 amino acids
Description	Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding proteins by the presence of 2 binding motifs rather than 3.
Form	Liquid
Molecular Mass	91.230kDa inclusive of tags
AA Sequence	MASEIHMTGPMCLIENTNGRLMANPEALKILSAITQPMVV VAIVGLYRTGKSYLMNKL AGKKKGFSLGSTVQSHTKGIWM WCVPHPKKPGHILVLLDTEGLGDVEKGDNQNDS WIFALAV LLSSTFVYNSIGTINQQAMDQLYYVTELTHRIRSKSSPDE NENEVEDSAD FVSFFPDFVWTLRDFSLDLEADGQPLTPDE YLTYSCLKKKGTSQKDETFNLPRLCIR KFFPKKKCFVDR PVHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTK TLS GGIQVNGPRLESLVLTYNVAISSGDLPCMENAVLALA QIENSAAVQKAIHAEQQMG QKVQLPTESLQELLDLHRDS EREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCK

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QNN EASSDRCSGLLQVIFSPLEEEVKAGIYSKPGGYRLFVQKL QDLKKKYYEPRK
 GIQAEEILQTYLKSKESTMDAILQTDQ TLTEKEKEIEVERVKAESAQASAKMLQEMQ
 RKNEQMMEQK ERSYQEHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQL LKEG
 FQKESRIMKNEIQDLQTKMRRRKACTIS

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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;

Gene ID [2633](#)

mRNA Refseq [NM_002053](#)

Protein Refseq [NP_002044](#)

MIM [600411](#)

UniProt ID [P32455](#)

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