Recombinant Full Length Human GBP1 Protein, C-Flag-tagged

Cat. No. GBP1-2023HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.8 kDa
AA Sequence	MASEIHMTGPMCLIENTNGRLMANPEALKILSAITQPMVVVAIVGLYRTGKSYLMNKL AGKKKGFSLGST VQSHTKGIWMWCVPHPKKPGHILVLLDTEGLGDVEKGDNQNDS WIFALAVLLSSTFVYNSIGTINQQAMD QLYYVTELTHRIRSKSSPDENENEVEDSADF VSFFPDFVWTLRDFSLDLEADGQPLTPDEYLTYSLKLKK GTSQKDETFNLPRLCIRK FFPKKKCFVFDRPVHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTK TLSG GIQVNGPRLESLVLTYVNAISSGDLPCMENAVLALAQIENSAAVQKAIAHYEQQMGQ KVQLPTESL QELLDLHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCKQ NQEASSDRCSGLLQVIFSPLEE EVKAGIYSKPGGYRLFVQKLQDLKKKYYEEPRKGI QAEEILQTYLKSKESMTDAILQTDQTLTEKEKEIE VERVKAESAQASAKMLQEMQRK

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	NEQMMEQKERSYQEHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQL LKEGFQK ESRIMKNEIQDLQTKMRRRKACTIS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	GBP1 guanylate binding protein 1 [Homo sapiens (human)]
Official Symbol	GBP1
Synonyms	guanylate binding protein 1, interferon-inducible, 67kDa; OTTHUMP00000012352
Gene ID	2633
mRNA Refseq	NM_002053.3
Protein Refseq	NP_002044.2

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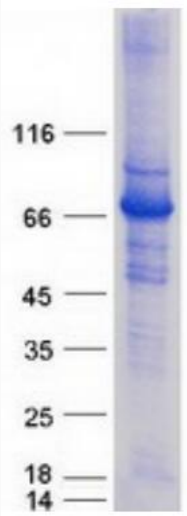
MIM	600411
UniProt ID	P32455



Coomassie blue staining of purified GBP1 protein.

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