

Recombinant Human GBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GBP1-5526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GBP1 MS Standard C13 and N15-labeled recombinant protein (NP_002044) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	67.9 kDa
AA Sequence	MASEIHMTGPMCLIENTNGRLMANPEALKILSAITQPMVVVAIVGLYRTGKSYLMNKL AGKKKGFSLGSTVQSHTKGIWMWCVPHPKKPGHILVLLDTEGLGDVEKGDNQNS WIFALAVLLSSTFVYNSIGTINQQAMDQLYYVTELTHRIRSKSSPDENENEVEDSADF VSFFPDFVWTLRDFSLDLEADGQPLTPDEYLTYSCLKKKGTSQKDETFNLPRLCIRKF FPKKKCFVFDRPVHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFSNSKTKTLGGI QVNGPRLESLVLTYNVAISSGDLPCMENAVLALAQIENSAAVQKAIHAEYEQMGQKV QLPTESLQELLDLHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCQKQ EASSDRCSGLLQVIFSPLEEEVKAGIYSPGGYRLFVQKLQDLKKKYYEPRKGIQA EELQTYLKSKESTMDAILQTDQTLTEKEKEIEVERVKAESAQASAKMLQEMQRKNE

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QMMEQKERSYQEHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQLLKEGFQKES
RIMKNEIQDLQTKMRRRKACTISTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GBP1 guanylate binding protein 1 [Homo sapiens (human)]

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

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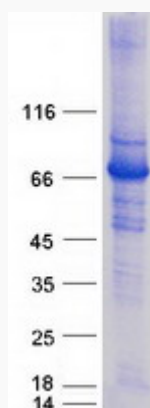
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MIM 600411

UniProt ID P32455

SDS-PAGE



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