

Recombinant Human GBP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GBP2-4062H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GBP2 MS Standard C13 and N15-labeled recombinant protein (NP_004111) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the guanine-binding protein (GBP) family, which includes interferon-induced proteins that can bind to guanine nucleotides (GMP, GDP and GTP). The encoded protein is a GTPase which hydrolyzes GTP, predominantly to GDP. The protein may play a role as a marker of squamous cell carcinomas.
Molecular Mass	67.2 kDa
AA Sequence	MAPEINLPGPMSLIDNTKGQLVVNPEALKILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKKNGFSLGSTVKSHTKGIWMWCVPHPKKPEHTLVLLDTEGLGDIEKGDNENDSWI FALAILLSSTFVYNMGTINQQAMDQLHYVTELTDRIKANSSPGNNSVDDSADFVSFF PAFVWTLRDFTLELEVDGEPITADDYLELSLKLKRGTDKKSFSFNDPRLCIRKFFPKR KCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVNGP RLESVLVTYVNAISSGDLPCRENAVLALAAQIENSAAVEKAIAHYEQQMGQKVQLPTET LQELLDLHRDSEREAIEVFMKNSFKDVDQMFQRKLGAQLEARDDFCKQNSKASSD CCMALLQDIFGPLEEDVKQGTFSKPGGYRLFTQKLQELKNKYYYQVPRKGIQAKEVLK KYLESKEDVADALLQTDQSLSEKEKAIEVERIKAESAEAAKKMLEEIQKKNEEMMEQ

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KEKSYQEHVKQLTEKMERDRAQLMAEQEKTALQLQEQRLLKEGFENESKRLQKD
IWDIQMRKSLEPICNILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 GBP2 guanylate binding protein 2 [Homo sapiens (human)]

Official Symbol [GBP2](#)

Synonyms GBP2; guanylate binding protein 2, interferon-inducible; interferon-induced guanylate-binding protein 2; GBP-2; huGBP-2; GTP-binding protein 2; guanine nucleotide-binding protein 2; DKFZp451C2311;

Gene ID [2634](#)

mRNA Refseq [NM_004120](#)

Protein Refseq [NP_004111](#)

MIM [600412](#)

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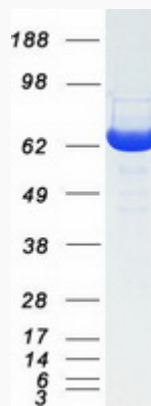
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UniProt ID

P32456

SDS-PAGE

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