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 FALAILLSSTFVYNSMGTINQQAMDQLHYVTELTDRIKANSSPGNNSVDDSADFVSFF PAFVWTLRDFTLELEVDGEPITADDYLELSLKLRKGTDKKSKSFNDPRLCIRKFFPKR KCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVNGP RLESLVLTYVNAISSGDLPCRENAVLALAQIENSAAVEKAIAHYEQQMGQKVQLPTET LQELLDLHRDSEREAIEVFMKNSFKDVDQMFQRKLGAQLEARRDDFCKQNSKASSD CCMALLQDIFGPLEEDVKQGTFSKPGGYRLFTQKLQELKNKYYQVPRKGIQAKEVLK KYLESKEDVADALLQTDQSLSEKEKAIEVERIKAESAEAAKKMLEEIQKKNEEMMEQ

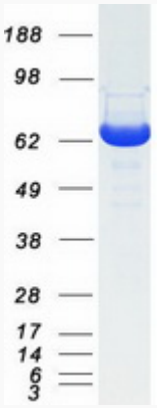
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KEKSYQEHVKQLTEKMERDRAQLMAEQEKTLALKLQEQERLLKEGFENESKRLQKD IWDIQMRSKSLEPICNILTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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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UniProt ID	P32456
SDS-PAGE	

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