

Recombinant Full Length Human GBP2 Protein, C-Flag-tagged

Cat. No. GBP2-1800HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GBP2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67 kDa
AA Sequence	MAPEINLPGPMSLIDNTKGQLVVNPEALKILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKKNFSLGST VKSHTKGIWMWCVPHPKKPEHTLVLLDTEGLGDIEKGDNENDSWI FALAILLSSTFVYNMGTINQQAMD QLHYVTELTDRIKANSSPGNNSVDDSDADFVSF FPAFVWTLRDFTLELEVDGEPITADDYLELSLKLKRGTDKKSFSFNDPRLCIRKFFPK RKCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVN GPRLESLVLTYVNAISSGDLPCRENAVLALAQIENSAAVEKAIAHYEQQMGQKVQLP TETLQE LLDLHRDSEREAIEVFMKNSFKDVDQMFQRKLGAQLEARRDDFCKQNSK ASSDCCMALLQDIFGPLEEDV KQGTFSKPGGYRLFTQKLQELKNKYYQVPRKGIQA KEVLKKYLESKEDVADALLQTDQSLSEKEKAIEVE RIKAESAEAAKKMLEEIQKKNEE

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	MMEQKEKSYQEHVKQLTEKMERDRAQLMAEQEKTALKLQEQRLLK EGFENESK RLQKDIWDIQMRSKSLEPICNIL 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	GBP2 guanylate binding protein 2 [Homo sapiens (human)]
Official Symbol	GBP2
Gene ID	2634
mRNA Refseq	NM_004120.5
Protein Refseq	NP_004111.2
MIM	600412

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UniProt ID

P32456



Coomassie blue staining of purified GBP2 protein.

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