

Recombinant Human GBP2 Protein, GST-tagged

Cat. No. GBP2-4777H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GBP2 full-length ORF (AAH22272, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Interferons are cytokines that have antiviral effects and inhibit tumor cell proliferation. They induce a large number of genes in their target cells, including those coding for the guanylate-binding proteins (GBPs). GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). The protein encoded by this gene is a GTPase that converts GTP to GDP and GMP. [provided by RefSeq]
Molecular Mass	78.65 kDa
AA Sequence	MAPEINLPGPMSLIDNTKGQLVVNPEALKILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKKNFSLGSTVKSHTKGIWMWCVPHPKPEHTLVLLDTEGLGDIEKGDNENDSWI FALAILLSSTFVYNSMG TINQQAMDQLHYVTELTDRIKANSSPGNNSVDDSADFVSFF PAFVWTLRDFTLELEVDGEPITADDYLELSLKLKRGTDKKSFSNDPRLCIRKFFPKR KCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVNGP RLESVLVLYVNAISSGDLPCMENAVLALAQIENSAAVEKAI AHYEQQMGQKVQLPTE TLQELLDLHRDSEREAIEVFMKNSFKDQMFQRKLG AQLEARDDFCKQNSKASS DCCMALLQDIFGPLEEDVKQGTFSKPGGYRLFTQKLQELKNKYYQVPRKGIQAKEVL KKYLESKEDVADALLQTDQSLS

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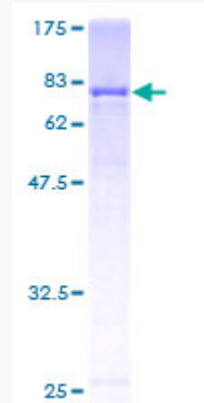


Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GBP2 guanylate binding protein 2, interferon-inducible [Homo sapiens]
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
UniProt ID	P32456

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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