

## Recombinant Human GBP2, GST-tagged

Cat. No. GBP2-13181H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human GBP2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 131-481a.a.

**Description** This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. Several transcript variants of this gene encode multiple protein isoforms.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	GBP2 guanylate binding protein 2, interferon-inducible [ Homo sapiens ]
<b>Official Symbol</b>	GBP2
<b>Synonyms</b>	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;
<b>Gene ID</b>	2634
<b>mRNA Refseq</b>	NM_004120
<b>Protein Refseq</b>	NP_004111
<b>MIM</b>	600412
<b>UniProt ID</b>	P32456
<b>Chromosome Location</b>	1p22.2
<b>Pathway</b>	Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon alpha/beta signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem;
<b>Function</b>	GTP binding; GTPase activity; nucleotide binding;

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