

## Recombinant Human GBP2 Protein, GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GBP2 full-length ORF ( AAH22272, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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                                                                                             |
| <b>Molecular Mass</b>   | 78.65 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MAPEINLPGPMSLIDNTKGQLVVNPEALKILSAITQPVVVVAIVGLYRTGKSYLMNKLA<br>GKKNFSLGSTVKSHTKGIWMWCVPHPKPEHTLVLLDTEGLGDIEKGDNENDSWI<br>FALAILLSSTFVYNMGTINQQAMDQLHYVTELTDRIKANSSPGNNSVDDSADFVSFF<br>PAFVWTLRDFTLELEVDGEPITADDYLELSLKLKGTDKKSKSFNDPRLCIRKFFPKR<br>KCFVFDWPAPKKYLAHLEQLKEEELNPDFIEQVAEFCSYILSHSNVKTLSGGIPVNGP<br>RLESLVLTYVNAISSGDLPCMENAVLALAQIENSAAVEKAIAHYEQQMKGQKVQLPTE<br>TLQELLDLHRDSEREAIEVFMKNSFKDVDQMFQRKLGAQLEARDDFCKQNSKASS<br>DCCMALLQDIFGPLEEDVKQGTFSKPGGYRLFTQKLQELKNKYYQVPRKGIQAKEVL<br>KKYLESKEDVADALLQTDQSLS |

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

## GENE INFORMATION

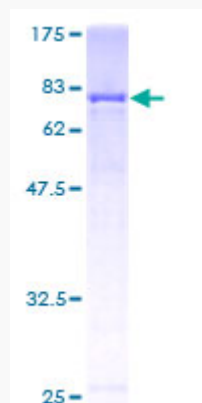
|                        |                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                                                                               |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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