

## Recombinant Human GBP6, GST-tagged

Cat. No. GBP6-13184H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human GBP6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                               |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ProteinLength    | 530-633a.a.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description      | This gene encodes the general transcription factor IIB, one of the ubiquitous factors required for transcription initiation by RNA polymerase II. The protein localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. Transcription factor IIB serves as a bridge between IID, the factor which initially recognizes the promoter sequence, and RNA polymerase II. |
| 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

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| Gene Name | GBP6 guanylate binding protein family, member 6 [ Homo sapiens ] |
|-----------|------------------------------------------------------------------|

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|                            |                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | GBP6                                                                                                                                                                                                                      |
| <b>Synonyms</b>            | GBP6; guanylate binding protein family, member 6; guanylate-binding protein 6; DKFZp686G0786; GBP-6; GTP-binding protein 6; guanine nucleotide-binding protein 6; FLJ39135;                                               |
| <b>Gene ID</b>             | <a href="#">163351</a>                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | <a href="#">NM_198460</a>                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_940862</a>                                                                                                                                                                                                 |
| <b>MIM</b>                 | <a href="#">612467</a>                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">Q6ZN66</a>                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 1p22                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem; |
| <b>Function</b>            | GTP binding; GTPase activity; nucleotide binding;                                                                                                                                                                         |

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