# Recombinant Human GBP5, GST-tagged

**Cat. No.** GBP5-13183H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GBP5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 382-586a.a. |
| **Description** | Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.[supplied by OMIM, Jul 2010] |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | GBP5 guanylate binding protein 5 [ Homo sapiens ] |

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| **Official Symbol** | GBP5 |
| **Synonyms** | GBP5; guanylate binding protein 5; guanylate-binding protein 5; GBP-TA antigen; GTP-binding protein 5; guanine nucleotide-binding protein 5; GBP-5; |
| **Gene ID** | 115362 |
| **mRNA Refseq** | NM_001134486 |
| **Protein Refseq** | NP_001127958 |
| **MIM** | 611467 |
| **UniProt ID** | Q96PP8 |
| **Chromosome Location** | 1p22.2 |
| **Pathway** | Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem; |
| **Function** | GTP binding; GTPase activity; nucleotide binding; |

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