

# Recombinant Full Length Human GBP5 Protein, GST-tagged

**Cat. No.** GBP5-5529HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GBP5 full-length ORF ( AAH31639, 1 a.a. - 586 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 586 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene belongs to the TRAFAC class dynamin-like GTPase superfamily. The encoded protein acts as an activator of NLRP3 inflammasome assembly and has a role in innate immunity and inflammation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2017]                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 90.09 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MALEIHMSDPMCLIENTFNEQLKVNQEAL EILSAITQPVVVVAIVGLYRTGKSYLMNKLA<br>GKNKGFSVASTVQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQIF<br>ALALLSSTFVYNTV NKIDQGAIDLLHNVT ELTDLLKARNSPDLDRVEDPADSASFFP<br>DLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS DQRVQNFNLPRLCIQKFFPKK<br>KCFIDLP AHQKKLAQLETLPDDELEPEFVQVQVTEFCSYIFSHSMTKTLPGGIMVNGS<br>RLKNLVLT YVNAISSGDLPC IENAVLALA QRENSAAVQK AIAHYDQQMGQKVQLPME<br>TLQELLDLHRTS EREAIEVFMKNSFKDQVDSFQKELETLLDAKQNDICKRNLEASSD<br>YCSALLKDIFGPLEEAVKQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEVLQK<br>YLKSKESVSHAILQTDQALTET ETKKKKEAQVKAEAEKAE AQRLAAIQRQNEQMMQE |

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RERLHQEQVRQMEIAKQNWLAEEQQKMQEQQMQEQAAQLSTTFQAQNRSLLELQ  
HAQRTVNNDDPCVLL

**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**

GBP5 guanylate binding protein 5 [ Homo sapiens ]

**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

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UniProt ID

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