

Recombinant Full Length Human GBP5 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GBP5 full-length ORF (AAH31639, 1 a.a. - 586 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	586 amino acids
Description	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]
Molecular Mass	90.09 kDa
AA Sequence	<p>MALEIHMSDPMCLIEFNENQLKVNQEALEILSAITQPVVVAIVGLYRTGKSYLMNKLA GKNKGFVASTVQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQIF ALALLSSTFVYNTV NKIDQGAIDLLHNVTETDLLKARNSPDLDRVEDPADSASFFP DLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGSQQRVQNFNLPRLCIQKFFPKK KCFIFDLPAHQKKLAQLETLPDDELEPEFVQQVTEFCSYIFSHSMTKTLPGGIMVNGS RLKNLVLTYNVAISSGDLPCIENAV LALAQRENSAAVQKAI AHYDQQMGQKVQLPME TLQELLDLHRTSERAIEVFMKNSFKDQVDFQKELETLLDAKQNDICKRNLEASSD YCSALLKDIFGPLEEAVKQGIYSKPGGHNLFIQKTEELKAKYYYREPRKGIQAEV LQK YLKSKESVSHAILQTDQALTETEKKKKEAQVKA EAEKAE AQRLAAIQRQNEQMMQE</p>

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RERLHQEQVRQMEIAKQNWLAEEQQKMQEQQMQEQAAQLSTTFQAQNRSLLELQ
HAQRTVNNDPCVLL

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

Q96PP8

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