

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
ProteinLength	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	MALEIHMSDPMCLIENTFNEQLKVNQEALILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKNKGFSVASTVQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQIF ALALLSSTFVYNTVKNIDQGAIDLLHNVTETDLLKARNSPDLDRVEDPADSASFFP DLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGSQQRVQNFNLPRLCIQKFFPKK KCFIFDLPAHQKKLAQLETLPDDELEPEFVQVQVTEFCSYIFSHSMTKTLPGGIMVNGS RLKNLVLTYVNAISSGDLPCIENTAVLALAQRENSAAVQKAIHYDQQMGQKVQLPME TLQELLDLHRTSERAIEVFMKNSFKDQVQSFQKELETLLDAKQNDICKRNLEASSD YCSALLKDIFGPLEEAVKQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEVLQK YLKSKESVSHAILQTDQALTETETKKKKEAQVKAEEKAEQAQLAAIQRQNEQMMQE

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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

Q96PP8

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