

Recombinant Human GBP5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GBP5-6417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GBP5 MS Standard C13 and N15-labeled recombinant protein (NP_443174) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	66.6 kDa
AA Sequence	MALEIHMSDPMCLIEFNELKVNQEALILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKNKGFSVASTVQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQIF ALALLSSTFVYNTVKNIDQGAI DLLHNVTETDLLKARNSPDLDRVEDPADSASFFP DLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGSQVRVQNFNLPRLCIQKFFPKK KCFIFDLPAHQKKLAQLETLPDDELEPEFVQQVTEFCSYIFSHSMTKTLPGGIMVNGS RLKNLVLTYNVAISSGDLPCIENAVLALAQRENSAAVQKAIHYDQQMGQKVQLPME TLQELLDLHRTSERAIEVFMKNSFKDVDQSFQKELETLLDAKQNDICKRNLEASSD YCSALLKDIFGPLEEAVKQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEVVLQK YLKSKESVSHAILQTDQALTETEKKKKEAQVKAEAEKAEQAQLAAIQRQNEQMMQE

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RERLHQEQVRQMEIAKQNWLAEEQQKMQEQQMQEQAAQLSTTFQAQNRSLLELQ
HAQRTVNNDPCVLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GBP5 guanylate binding protein 5 [Homo sapiens (human)]

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_052942](#)

Protein Refseq [NP_443174](#)

MIM [611467](#)

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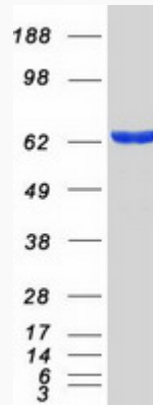
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UniProt ID

Q96PP8

SDS-PAGE

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