

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

Cat. No. GBP5-5593H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | GBP5 MS Standard C13 and N15-labeled recombinant protein (NP_001127958) 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 | <p>MALEIHMSDPMCLIEFNQLKVNQEALEILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKNKGFSVASTVQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQIF ALALLSSTFVYNTV NKIDQG AIDLLHNVT ELTDLLKARNSPDLDRVEDPADSASFFP DLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGSQQRVQNFNLRPLCIQKFFPKK KCFIFDLPAHQKLAQLETLPDDELEPEFVQQVTEFCSYIFSHSMTKTLPGGIMVNGS RLKNLVLTYNVAISSGDLPCIENAV LALAQRENSAAVQKAI AHYDQQMGQKVQLPME TLQELLDLHRTS EREAIEVFMKNSFKD VDSFQKELETL LDKQNDICKRNLEASSD YCSALLKDIFGPLEEAVKQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEV LQK YLKSKESVSHAILQTDQALTETEKKKKEAQVKAEAEKAEAQRLAAIQRQNEQMMQE</p> |

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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_001134486

Protein Refseq NP_001127958

MIM 611467

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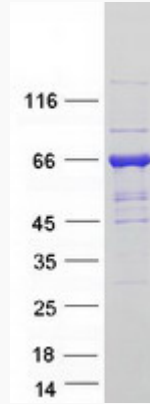
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UniProt ID

Q96PP8

SDS-PAGE



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