

Recombinant Full Length Human GBP5 Protein, C-Flag-tagged

Cat. No. GBP5-1159HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GBP5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	66.4 kDa
AA Sequence	MALEIHMSDPMCLIENTFNEQLKVNQEAL EILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKNKGFSVAST VQSHTKGIWIWCVPHPNWPNHTLVLLDTEGLGDVEKADNKNDIQI FALALLSSTFVYNTV NKIDQGAID LLHNVT ELTDLLKARNSPDLDRVEDPADSASFF PDLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS DQRVQNFNLPRLCIQKFFP KKKCFIFDLPAHQKKLAQLETLPDDELEPEFVQVTEFCSYIFSHSMTKTL PGGIMV NGSRLKNLVLTYVNAISSGDLPCIE NAVLALAQRENSAAVQKAI AHYDQQMGQKVQL PMETLQE LLDLHRTS EREAIEVFMKNSFKDQVDSFQKELETLLDAKQNDICKRNLEA SSDYCSALLKDIFGPLEEAV KQGIYSKPGGHNLF IQKTEELKAKYYREPRKGIQAEEV LQKYLKSKESVSHAILQTDQALTET EKKKKEA QVKA EAEKAE AQRLAAIQRQNEQM

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	MQERERLHQEQVRQMEIAKQNWLAEEQQKMQEQQMQEQAAQLSTTFQ AQNRSLSELQHAQRTVNNDDPCVLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	GBP5 guanylate binding protein 5 [Homo sapiens (human)]
Official Symbol	GBP5
Synonyms	GBP-5
Gene ID	115362
mRNA Refseq	NM_001134486.4
Protein Refseq	NP_001127958.1

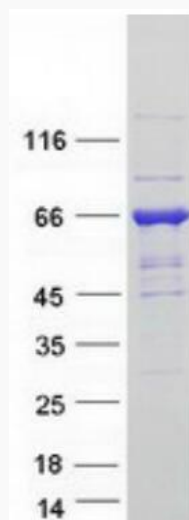
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MIM 611467

UniProt ID Q96PP8



Coomassie blue staining of purified GBP5 protein.

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