

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	MALEIHMSDPMCLIENTFNEQLKVNQEALILSAITQPVVVVAIVGLYRTGKSYLMNKLA GKNKGFSVAST VQSHTKGIWIWCVHPNWPNTLVLLDTEGLGDVEKADNKNDIQI FALALLSSTFVYNTVNKIDQGAID LLHNVTETLDLLKARNSPDLDRVEDPADSASFF PDLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS DQRVQNFNLPRLCIQKFFP KKKCFIFDLPAHQKKLAQLETLPDDELEPEFVQVTEFCSYIFSHSMTKTL PGGIMV NGSRLKNLVLTYVNAISSGDLPCINAVLALAQRENSAAVQKAIAHYDQQMGQKVQL PMETLQE LLDLHRTSERAIEVFMKNSFKDQVDSFQKELETLLDAKQNDICKRNLEA SSDYCSALLKDIFGPLEEAV KQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEV LQKYLKSKESVSHAILQTDQALTETEKKKKEA QVKAEEAEKAEQRLAAIQRQNEQM

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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

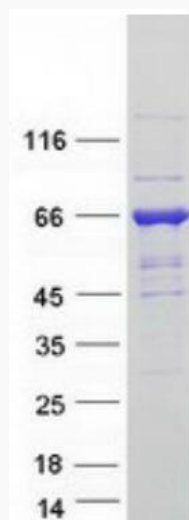
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MIM 611467

UniProt ID Q96PP8



Coomassie blue staining of purified GBP5 protein.

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