

## Product datasheet for **TP306627M**

### GBP5 (NM\_052942) Human Recombinant Protein

#### Product data:

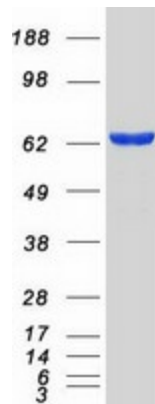
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human guanylate binding protein 5 (GBP5), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206627 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MALEIHMSDPMCLIENFNEQLKVNQEALEILSAITQPVVVAIVGLYRTGKSYLMNKLKAGKNKGFSVAST VQSHTKGIWIWCVPHNWPNTLVLDDTEGLGDVEKADNKNDIQIFALALLSSTFVYNTVKNIDQGAID LLHNVTETDLLKARNSPDLDRVEDPADSASFFPDLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS DQRVQNFNLPRLCIQKFFPKKCFIFDLPAHQKLAQLETLPDDELEPEFVQVTEFCSYIFSHSMTKTL PGGIMVNGSRLKNLVLTYVNAISSGDLPCIENAVLALAQRENSAAVQKAIHYDQQMGQKVQLPMETLQE LLDLHRTSERAIEVFMKNSFKDQSFQKELETLDDAKQNDICKRNLEASSDYCSALLKDIFGPLEEAV KQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEVVLQKYLKSKESVSHAILQTDQALTETEKKKKEA QVKAEEKAEAQRLAAIQRQNEQMMQERERLHQEQVRQMEIAKQNWLAEQQKMQEQQMQEQAQLSTTFQ AQNRLLSELQHAQRTVNNDPCVLL  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	66.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_443174</a>
<b>Locus ID:</b>	115362
<b>UniProt ID:</b>	<a href="#">Q96PP8</a>
<b>RefSeq Size:</b>	4065
<b>Cytogenetics:</b>	1p22.2
<b>RefSeq ORF:</b>	1758
<b>Synonyms:</b>	GBP-5
<b>Summary:</b>	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]

### Product images:



Coomassie blue staining of purified GBP5 protein (Cat# [TP306627]). The protein was produced from HEK293T cells transfected with GBP5 cDNA clone (Cat# [RC206627]) using MegaTran 2.0 (Cat# [TT210002]).