

## Product datasheet for **TP306627L**

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

#### Product data:

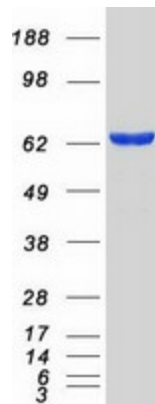
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanylate binding protein 5 (GBP5), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206627 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MALEIHMSDPMCLIEFNFEQLKVNQEALEILSAITQPVVVAIVGLYRTGKSYLMNKLKAGKNKGFSVAST VQSHTKGIWIWCVPHPNWPNTLVLDDTEGLGDVEKADNKNDIQIFALALLSSTFVYNTVKNIDQGAID LLHNVTELTDLLKARNSPDLDRVEDPADSASFFPDLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS DQRVQNFNLPRLCIQKFFPKKCFIDLP AHQKLAQLETLPDDELEPEFVQVTEFCSYIFSHSMTKTL PGGIMVNGSRLKNLVLTYVNAISSGDLPCIEAVLALAQRENSAAVQKAI AHYDQQMGQKVQLPMETLQE LLDLHRTS EREAIEVFMKNSFKDQSFQKELETL LLD AKQNDICKRNLEASSDYCSALLKDIFGPLEEAV KQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEV LQKYLKSKESVSHAILQTDQAL TETEKKKKEA QVKAEAEKAE AQLAAIQRQNEQMMQERERLHQEQVRQMEIAKQNWLAEQQKMQEQQMQEQA AQLSTTFQ AQNRLLSELQHAQRTVNNDPCVLL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	66.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	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]).