

## Product datasheet for **TP306627**

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

#### Product data:

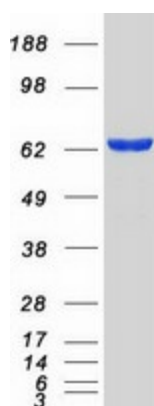
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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Recombinant protein of human guanylate binding protein 5 (GBP5), transcript variant 1, 20 µg   |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | HEK293T  |
| <b>Expression cDNA Clone or AA Sequence:</b> | >RC206627 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|  | <p>MALEIHMSDPMCLIENFNEQLKVNQEALEILSAITQPVVVAIVGLYRTGKSYLMNKLKAGKNKGFSVAST<br/>VQSHTKGIWIWCVPHNWPNTLVLDDTEGLGDVEKADNKNDIQIFALALLSSTFVYNTVKNIDQGAID<br/>LLHNVTETDLLKARNSPDLDRVEDPADSASFFPDLVWTLRDFCLGLEIDGQLVTPDEYLENSLRPKQGS<br/>DQRVQNFNLPRLCIQKFFPKKCFIDLPAHQKLAQLETLPDDELEPEFVQVTEFCSYIFSHSMTKTL<br/>PGGIMVNGSRLKNLVLTYVNAISSGDLPCIENAVLALAQRENSAAVQKAIHYDQQMGQKVQLPMTLQE<br/>LLDLHRTSERAIEVFMKNSFKDQSFQKELETLDDAKQNDICKRNLEASSDYCSALLKDIFGPLEEAV<br/>KQGIYSKPGGHNLFIQKTEELKAKYYREPRKGIQAEVVLQKYLKSKESVSHAILQTDQALTETEKKKKEA<br/>QVKAEAEKAEARLAAIQRQNEQMMQERERLHQEQVRQMEIAKQNWLAEQQKMQEQQMQEQAQLSTTFQ<br/>AQNRSLSELQHAQRTVNNDPCVLL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| <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]).