

## Product datasheet for TP303268

### G gamma12 (GNG12) (NM\_018841) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human guanine nucleotide binding protein (G protein), gamma 12 (GNG12), 20 µg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC203268 protein sequence<br>Red=Cloning site Green=Tags(s)   |
|                                       | MSSKTASTNNIAQARRTVQQLRLEASIEGIVKSKASADLMSYCEEHARSDPLLIGIPTSENPFKDKKTCI<br>IL   |
|                                       | TRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 7.8 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.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:                               | <a href="#">NP_061329</a>  |
| Locus ID:                             | 55970  |
| UniProt ID:                           | <a href="#">Q9UBI6</a>   |
| RefSeq Size:                          | 4427   |



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Cytogenetics: 1p31.3

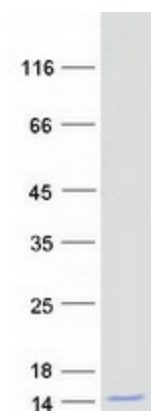
RefSeq ORF: 216

**Summary:** Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

**Protein Pathways:** Chemokine signaling pathway, MAPK signaling pathway, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified GNG12 protein (Cat# TP303268). The protein was produced from HEK293T cells transfected with GNG12 cDNA clone (Cat# [RC203268]) using MegaTran 2.0 (Cat# [TT210002]).