

## Product datasheet for **TP303268M**

### 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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203268 protein sequence Red=Cloning site Green=Tags(s)
	MSSKTASTNNIAQARRTVQQLRLEASIEGIKVS KASADLMSYCEEHARSDPLLIGIPTSENPFKDKKTCI 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



[View online »](#)

Cytogenetics: 1p31.3

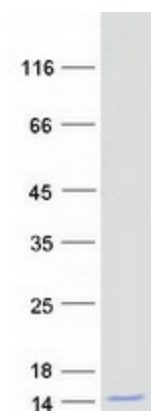
RefSeq ORF: 216

**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]).