

## Product datasheet for **TP303804M**

### **RGS13 (NM\_144766) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human regulator of G-protein signaling 13 (RGS13), transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC203804 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSRRNCWICKMCRDESKRPPSNLTLEEVLQWAQSFENLMATKYGPVWYAAYLKMEHSDENIQFWMACETY KKIASRWSRISRAKKLYKIYIQQSPREINIDSSTRETIIRNIQEPTETCFEEAQKIVYMHMERDSYPRF LKSEMYQKLLKTMQSNNSF  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	19 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.
<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_658912</a>
<b>Locus ID:</b>	6003
<b>UniProt ID:</b>	<a href="#">O14921</a>



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RefSeq Size: 1538

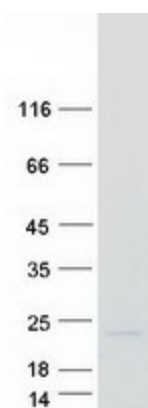
Cytogenetics: 1q31.2

RefSeq ORF: 477

**Summary:** The protein encoded by this gene is a member of the regulator of G protein signaling (RGS) family. RGS family members share similarity with *S. cerevisiae* SST2 and *C. elegans* egl-10 proteins, which contain a characteristic conserved RGS domain. RGS proteins accelerate GTPase activity of G protein alpha-subunits, thereby driving G protein into their inactive GDP-bound form, thus negatively regulating G protein signaling. RGS proteins have been implicated in the fine tuning of a variety of cellular events in response to G protein-coupled receptor activation. The biological function of this gene, however, is unknown. Two transcript variants encoding the same isoform exist. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RGS13 protein (Cat# [TP303804]). The protein was produced from HEK293T cells transfected with RGS13 cDNA clone (Cat# [RC203804]) using MegaTran 2.0 (Cat# [TT210002]).