

Product datasheet for PH303804

RGS13 (NM_144766) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RGS13 MS Standard C13 and N15-labeled recombinant protein (NP_658912)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203804
Predicted MW:	19.1 kDa
Protein Sequence:	>RC203804 protein sequence Red=Cloning site Green=Tags(s) MSRRNCWICKMCRDESKRPPSNLTLEEVLQWAQSFENLMATKYGPVVYAAAYLKMEHSDENIQFWMACETY KKIASRWSRISRAKKLYKIYIQPQSPREINIDSSTRETIIRNIQEPTETCFEEAQKIVYMHMERDSYPRF LKSEMYQKLLKTMQSNNSF TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_658912
RefSeq Size:	1538
RefSeq ORF:	477
Locus ID:	6003
UniProt ID:	O14921
Cytogenetics:	1q31.2



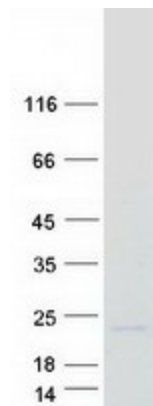
[View online »](#)

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]).