

Product datasheet for PH308700

RGS4 (NM_005613) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RGS4 MS Standard C13 and N15-labeled recombinant protein (NP_005604)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208700
Predicted MW:	23.3 kDa
Protein Sequence:	>RC208700 protein sequence Red=Cloning site Green=Tags(s) MCKGLAGLPASCLRSKDKMHRLLGFLQKSDSCEHNSSHNKDKVVICQQRVSQEEVKKWAESLENLISHE CGLAAFKAFKSEYSEENIDFWISCEEYKIKSPKLSKAKKIYNEFISVQATKEVNLDSTREETSRN MLEPTITCFDEAQKIFNLMEKDSYRRFLKSRFYLDLVNPSGAEKQKGAKSSADCASLVPQCA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_005604
RefSeq Size:	3371
RefSeq ORF:	615
Synonyms:	RGP4; SCZD9
Locus ID:	5999
UniProt ID:	P49798 , A0A024R909 , A7XA59



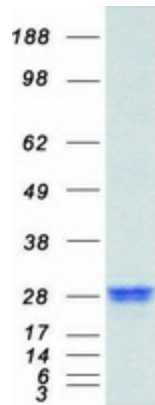
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Cytogenetics: 1q23.3

Summary: Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RGS4 protein (Cat# [TP308700]). The protein was produced from HEK293T cells transfected with RGS4 cDNA clone (Cat# [RC208700]) using MegaTran 2.0 (Cat# [TT210002]).