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Product datasheet for PH303488

RGS10 (NM_001005339) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RGS10 MS Standard C13 and N15-labeled recombinant protein (NP_001005339)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203488
Predicted MW:	21.2 kDa
Protein Sequence:	>RC203488 protein sequence Red=Cloning site Green=Tags(s) MFNRAVSRLSRKRPPSDIHDSDGSSSSSHQSLKSTAKWAASLENLLEDPEGVKRFREFLKKEFSEENVLF WLACEDFKKMQDKTQMQEKAKEIYMTFLSSKASSQVNVEGQSRLNEKILEEPHPLMFQKLQDQIFNLMKY DSYSRFLKSDLFLKHKRTEEEEEDLPDAQTAAKRASRIYNT 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_001005339
RefSeq Size:	910
RefSeq ORF:	543
Locus ID:	6001
UniProt ID:	O43665
Cytogenetics:	10q26.11

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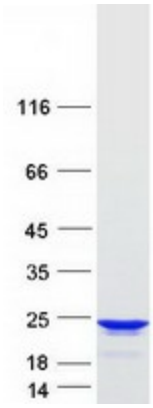
Summary: Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alphai3 and G-alphaz but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified RGS10 protein (Cat# [TP303488]). The protein was produced from HEK293T cells transfected with RGS10 cDNA clone (Cat# [RC203488]) using MegaTran 2.0 (Cat# [TT210002]).