

Product datasheet for PH306471

RGS3 (NM_134427) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RGS3 MS Standard C13 and N15-labeled recombinant protein (NP_602299)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206471
Predicted MW:	100.9 kDa
Protein Sequence:	>RC206471 protein sequence Red=Cloning site Green=Tags(s)

MNRFNGLCKVCSERRRQITIPRGKDGFGFTICCDSPVRVQAVDSGGPAERAGLQQLDVTVLQNLNERPVEH
WKCVELAHEIRSCPSEIILLVWRMVPQVKPGPDGGVLRASCKSTHDLQSPPNKREKNCTHGVQARPEQR
HSCHLVCDSSDGLLLGGWERYTEVAKRGGQHTLPALSRATAPDTPNYIILAPLNPGSQLLRPVYQEDTIP
EESGSPSKGKSYTGLGKKSRMKTVMKMGHGNYNCPVVRPHATHSSYGTYYVTLAPKVLVFPVVFVQPLD
LCNPARTLLLSELLL YEGRNKAEEVTLFAYSLLLLFTKEDEPGRCDVLRNPLYLQSVKLQEGSSEDLKF
CVLYLAEKAECLEAHSQEQKRVWCWLSENIAKQQQLAASPPDSKMFETEADKREMALEEGKGPGA
EDSPPSKEPSGQELPPGQDLPPSKDPSGQEPAPSQEPLSSKDSATSEGSPPGPDAPPSKDVPPCQEP
PAQDLSPCQDLPAQOEPLPHQDPLLTCKDLPAIQESPTRDLPPCQDLPPSQVSLPAKALTEDTMSGDLLA
ATGDPPAAPRPAFVIVEVRLDSTYSQKAGAEQGCSDGDEDAEEAEVEEGEEGEEDEDEDTSDNYGERS
EAKRSMIETGQGAEGGLSLRVQNSLRRRTHSEGSLLEPRGPFASDTTLHCSDGEGAASWTGMPSPST
LKKELGRNGGSMHHLSLFFTGHRKMSGADTVGDDDEASRKRKSKNLAKDMKNKLGIFRRRNESPGAPPAG
KADKMMKSFKPTSEEALKWGESLEKLLVHKYGLAVFQAFRLTEFSEENLEFWLACEDFKKVKSQSKMASK
AKKIFAEYIAIQACKEVNLDSTREHTKDNLQSVTRGCFDLAQKRIFGLMEKDSYPRFLRSDLYLDLINQ
KKMSPPL

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.



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RefSeq: [NP_602299](#)

RefSeq Size: 1733

RefSeq ORF: 2754

Synonyms: C2PA; RGP3

Locus ID: 5998

UniProt ID: [P49796](#), [H7BXY1](#)

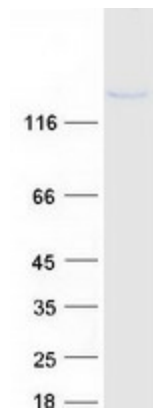
Cytogenetics: 9q32

Summary: This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTPase-activating protein that inhibits G-protein-mediated signal transduction. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear. [provided by RefSeq, Jan 2013]

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

Product images:



Coomassie blue staining of purified RGS3 protein (Cat# [TP306471]). The protein was produced from HEK293T cells transfected with RGS3 cDNA clone (Cat# [RC206471]) using MegaTran 2.0 (Cat# [TT210002]).