

## Product datasheet for PH324058

### RGS3 (NM\_130795) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RGS3 MS Standard C13 and N15-labeled recombinant protein (NP_570613)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224058
Predicted MW:	100.8 kDa
Protein Sequence:	>RC224058 representing NM_130795 Red=Cloning site Green=Tags(s)

MNRFNGLCKVCSERRYRQITIPRGKDGFGFTICCDSPVRVQAVDSGGPAERAGLQQLDVLQLNERPVEH  
WKCVELAHEIRSCPSEIILLVWRMVPQVKPGPDGGVLRASCKSTHDLQSPPNKREKNCTHGVQARPEQR  
HSCHLVCDSSDGLLLGGWERYTEVAKRGGQHTLPALSRATAPDTPNYIILAPLNPGSQLLRPVYQEDTIP  
EESGSPSKGKSYTGLGKKSRLMKTVMKMGHGNYNCPVVRPHATHSSYGTYYVTLAPKVLVFPVQPLD  
LCNPARTLLLSELLL YEGRNKA AEVTLFAYS DLLLFTKEDEPGRCDVLRNPLYLQSVKLQEGSSEDLKF  
CVLYLAEKAECLFTEAHSQEQKRVWCWLS ENIAKQQQLAASPPDSKMFETEAD EKREMALEEGKGPGA  
EDSPPSKESPQELPPGQDLPPNKDSPSGQEPAPSQEPLSSKDSATSEGSPPGPDAPPSKDVPPCQEP  
PAQDLSPCQDLPAQEPLPHQDPLLT KDLP AIQESPTRDLPCCQDLPPSQVSLPAKALTEDTMSGDLLA  
ATGDPPAAPRPAFVIVEVRLDSTYSQKAGAEQGC SGDEEAEAEVEEGEEGEEDEDEDTSDNYGERS  
EAKRSSMIETGQGAEGGLSLRVQNSLRRRTHSEGSLLQEPGPGCFASDTTLHCSDGEGAASWTGMPSPST  
LKKELGRNGGSMHHL SLFFTGHRKMSGADTVGDDDEASRKRKSKNLAKDMKNKLGIFRRRNESPGAPPAG  
KADKMMKSFKPTSEEALKWGESLEKLLVHKYGLAVFQAF LRTEFSEENLEFWLACEDFKKVKSQSKMASK  
AKKIFAEYIAIQACKEVNLD SYTREHTKDNLQSVTRGCFDLAQKRIFGLMEKDSYPRFLRSDLYLDLINQ  
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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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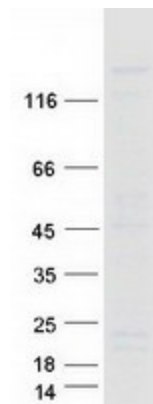
RefSeq:	<a href="#">NP_570613</a>
RefSeq Size:	3741
RefSeq ORF:	2751
Synonyms:	C2PA; RGP3
Locus ID:	5998
UniProt ID:	<a href="#">P49796</a> , <a href="#">A0A024R841</a>
Cytogenetics:	9q32

**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# [TP324058]). The protein was produced from HEK293T cells transfected with RGS3 cDNA clone (Cat# [RC224058]) using MegaTran 2.0 (Cat# [TT210002]).