

## Product datasheet for PH302781

### RGS2 (NM\_002923) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RGS2 MS Standard C13 and N15-labeled recombinant protein (NP_002914)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202781
Predicted MW:	24.4 kDa
Protein Sequence:	>RC202781 protein sequence Red=Cloning site Green=Tags(s)  MQSAMFLAVQHDCRPMDKSAGSGHKSEEKREKMKRLLKDWKTRLSYFLQNSSTPGPKTKGKSKQQAFI KPSPEEAQLWSEAFDELLASKYGLAAFRFLKSEFCEENIEFWLACEDFKKTKSPQKLSSKARKIYDFI EKEAPKEINIDFQTKTLIAQNIQEATSGCFTTAQKRVYSLMENNSYPRFLESEFYQDLCKPKQITTEPHA T  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.
RefSeq:	<a href="#">NP_002914</a>
RefSeq Size:	1375
RefSeq ORF:	633
Synonyms:	G0S8
Locus ID:	5997
UniProt ID:	<a href="#">P41220</a> , <a href="#">A0A024R939</a>



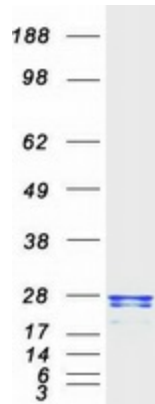
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Cytogenetics: 1q31.2

**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 2 belongs to this family. The protein acts as a mediator of myeloid differentiation and may play a role in leukemogenesis. [provided by RefSeq, Aug 2009]

Protein Families: Druggable Genome

### Product images:



Coomassie blue staining of purified RGS2 protein (Cat# [TP302781]). The protein was produced from HEK293T cells transfected with RGS2 cDNA clone (Cat# [RC202781]) using MegaTran 2.0 (Cat# [TT210002]).