

Recombinant Human RGS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RGS3-3107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGS3 MS Standard C13 and N15-labeled recombinant protein (NP_066929) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	56.4 kDa
AA Sequence	MFETEADEKREMALEEGKGPGAEDSPPSKEPSPGQELPPGQDLPPNKDSPSGQEP APSQEPLSSKDSATSEGSPPGPDAPPSKDVPPCQEPPPAQDLSPCQDLPAQGEPL PHQDPLLTKDLPAIQESPTRDLPPCQDLPPSQVSLPAKALTEDTMSSGDLLAATGDP PAAPRPAFVIPEVRLDSTYSQKAGAEQGCSDGDEEDAEAAEEVEEGEEGEDEDED SDDNYGERSEAKRSSMIETGQGAEGGLSLRVQNSLRRTTHSEGSLQEPGPGCFA SDTTLHCSDGEGAASTWGMPSSTLKKELGRNGGSMHHLSLFFTGHRKMSGADTV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GDDDEASRKRSKNLAKDMKNKLGIFRRRNESPGAPPAGKADKMMKSFKPTSEEA
LKWGESLEKLLVHKYGLAVFQAFLRTEFSEENLEFWLACEDFKKVKSQSKMASKAK
KIFAEYIAIQACKEVNLDSTREHTKDNLQSVTRGCFDLAQKRIFGLMEKDSYPRFLR
SDLYLDLINQKKMSPPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RGS3 regulator of G-protein signaling 3 [Homo sapiens (human)]
Official Symbol	RGS3
Synonyms	RGS3; regulator of G-protein signaling 3; regulator of G protein signalling 3; C2PA; FLJ20370; PDZ RGS3; regulator of G-protein signalling 3; RGP3; PDZ-RGS3; FLJ31516; FLJ90496;
Gene ID	5998
mRNA Refseq	NM_021106
Protein Refseq	NP_066929

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MIM 602189

UniProt ID P49796

SDS-PAGE



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