

# **Product datasheet for TP324111**

#### OriGene Technologies, Inc.

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### RGS3 (NM\_021106) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human regulator of G-protein signaling 3 (RGS3), transcript variant 2, 20

με

Species: Human Expression Host: HEK293T

**Expression cDNA Clone** >RC224111 representing NM\_021106 or AA Sequence: Red=Cloning site Green=Tags(s)

MFETEADEKREMALEEGKGPGAEDSPPSKEPSPGQELPPGQDLPPNKDSPSGQEPAPSQEPLSSKDSATS EGSPPGPDAPPSKDVPPCQEPPPAQDLSPCQDLPAGQEPLPHQDPLLTKDLPAIQESPTRDLPPCQDLPP SQVSLPAKALTEDTMSSGDLLAATGDPPAAPRPAFVIPEVRLDSTYSQKAGAEQGCSGDEEDAEEAEEVE EGEEGEEDEDEDTSDDNYGERSEAKRSSMIETGQGAEGGLSLRVQNSLRRRTHSEGSLLQEPRGPCFASD TTLHCSDGEGAASTWGMPSPSTLKKELGRNGGSMHHLSLFFTGHRKMSGADTVGDDDEASRKRKSKNLAK DMKNKLGIFRRRNESPGAPPAGKADKMMKSFKPTSEEALKWGESLEKLLVHKYGLAVFQAFLRTEFSEEN LEFWLACEDFKKVKSQSKMASKAKKIFAEYIAIQACKEVNLDSYTREHTKDNLQSVTRGCFDLAQKRIFG LMEKDSYPRFLRSDLYLDLINQKKMSPPL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 56.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.





RefSeq ORF:

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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 066929

 Locus ID:
 5998

 UniProt ID:
 P49796

 RefSeq Size:
 2914

 Cytogenetics:
 9q32

Synonyms: C2PA; PDZ-RGS3; RGP3

1557

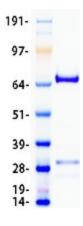
Summary: This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is

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# TP324111). The protein was produced from HEK293T cells transfected with RGS3 cDNA clone (Cat# [RC224111]) using MegaTran 2.0 (Cat# [TT210002]).