

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

Cat. No. RGS3-3795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGS3 MS Standard C13 and N15-labeled recombinant protein (NP_570613) 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	100.8 kDa
AA Sequence	MNRFNGLCKVCSERRYRQITIPRGKDGFGFTICCDSPVRVQAVDSGGPAERAGLQQ LDTV LQLNERPVEHWKCVELAHEIRSCPSEIILLVWRMVPQVKPGPDGGVLRRASCK STHDLQSPPNKREKNCTHGVQARPEQRHSCHLVCDSSDGLLLGGWERYTEVAKR GGQHTLPALSRATAPTDPNYIILAPLNPGSQLLRPVYQEDTIPEESGSPSKGKSYTGL GKKSRMLMKT VQTMKGHGNYQNCPVVRPHATHSSYGT YVT LAPKVLVFPVFVQPLDL CNPARTLLLSEELLLYEGRNKA AEVTLFAYS D LLLFTKEDEPGRCDVLRNPLYLQSVK

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LQEGSSEDLKFCVLYLAEKAECFLTLEAHSQEQQKRVWCWCLSENIKQQQLAASPP
 DSKMFETEADKREMALEEGKGPGAEDSPPSKEPSPGQELPPGQDLPPNKDSPSG
 QEPAPSQEPLSSKDSATSEGSPPGPDAPPSKDVPPCQEPPPAQDLSPCQDLPAAGQ
 EPLPHQDPLLTKDLPAIQESPTRDLPPCQDLPPSQVSLPAKALTEDTMSSGDLLAAT
 GDPPAAPRPAPFVIEVRLDSTYSQKAGAEQGCSDGDEEDAEAEVEVEEGEEGEDE
 DEDTSDDNYGERSEAKRSSMIETGQGAEGGLSLRVQNSLRRTTHSEGSLQEPRG
 PCFASDTTLHCSDGEGAASWGMPSSTLKKELGRNGGSMHLSLFFTGHRKMSG
 ADTVGDDDEASRKRKSKNLAKDMKNKLGIFRRRNESPGAPPAGKADKMMKSFKPT
 SEEALKWGESLEKLLVHKYGLAVFQAFLRTEFSEENLEFWLACEDFKKVKSQSKMA
 SKAKKIFAIEYIAIQACKEVNLDSTREHTKDNLQSVTRGCFDLAQKRIFGLMEKDSYP
 RFLRSDLYLDLINQKKMSPPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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;

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FLJ31516; FLJ90496;

Gene ID 5998

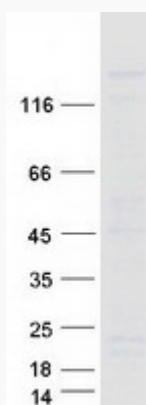
mRNA Refseq NM_130795

Protein Refseq NP_570613

MIM 602189

UniProt ID P49796

SDS-PAGE



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