

Recombinant Human RGS10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RGS10-4835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGS10 MS Standard C13 and N15-labeled recombinant protein (NP_002916) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alpha _{i3} and G-alpha _z but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	19.4 kDa
AA Sequence	MEHIHDSGDGSSSSSHQSLKSTAKWAASLENLLEDPEGVKRFREFLKKEFSEENVLF WLACEDFKKMQDKTQMQEKAKEIYMTFLSSKASSQVNVEGQSRLNEKILEEPHPLM

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FQKLQDQIFNLMKYDSYSRFLKSDLFLKHKRTEEEEEEDLPDAQTAAKRASRIYNTTR
TRPLEQKLISEEDLAANDILDYKDDDDKV

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 RGS10 regulator of G-protein signaling 10 [Homo sapiens (human)]

Official Symbol RGS10

Synonyms RGS10; regulator of G-protein signaling 10; regulator of G protein signalling 10; regulator of G-protein signalling 10;

Gene ID 6001

mRNA Refseq NM_002925

Protein Refseq NP_002916

MIM 602856

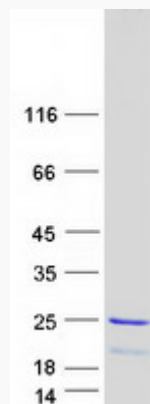
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UniProt ID

O43665

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