

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

Cat. No. RGS10-2356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGS10 MS Standard C13 and N15-labeled recombinant protein (NP_001005339) 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	21.2 kDa
AA Sequence	MFNRAVSRLSRKRPPSDIHDSGSSSSSHQSLKSTAKWAASLENLLEDPEGVKRFR EFLKKEFSEENVLFWLACEDFKKMQDKTQMQEKAKEIYMTFLSSKASSQVNVEGQS

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	RLNEKILEEPHPLMFQKLQDQIFNLMKYDSYSRFLKSDLFLKHKRTEEEEEEDLPDAQT AAKRASRIYNTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_001005339
Protein Refseq	NP_001005339
MIM	602856

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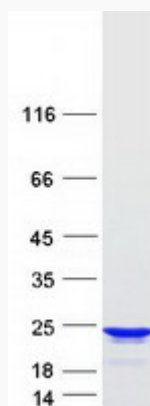
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UniProt ID

O43665

SDS-PAGE

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