

Recombinant Full Length Human RGS4 Protein, C-Flag-tagged

Cat. No. RGS4-1464HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RGS4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced transcript variants have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.1 kDa
AA Sequence	MCKGLAGLPASCLRSAKDMKHRLGFLQKSDSCEHNSSHNKKDKVVICQRVSQEE VKKWAESLENLISHE CGLAAFKAFLKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKI YNEFISVQATKEVNLDSCTREETSRN MLEPTITCFDEAQKKIFNLMEKDSYRRFLKS

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RFYLDLVNPSSCGAEKQKGAKSSADCASLVPQCATRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	RGS4 regulator of G protein signaling 4 [Homo sapiens (human)]
Official Symbol	RGS4
Synonyms	RGP4; SCZD9
Gene ID	5999
mRNA Refseq	NM_005613.6

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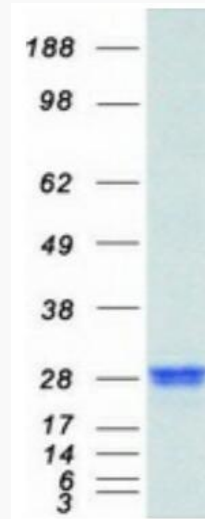
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Protein Refseq NP_005604.1

MIM 602516

UniProt ID P49798



Coomassie blue staining of purified RGS4 protein.

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