

Recombinant Human RGS4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RGS4-1188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGS4 MS Standard C13 and N15-labeled recombinant protein (NP_005604) 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 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.
Molecular Mass	23.3 kDa
AA Sequence	MCKGLAGLPASCLRSAKDMKHLRGFLLQKSDSCEHNSSHNKKDKVVICQRVSQEE VKKWAESLENLISHECGLAAFKAFKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKI YNEFISVQATKEVNLDSC TREETS RNMLEPTITCFDEAQKKIFNLMEKDSYRRFLKSR

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	FYLDLVNPSSCGAEKQKGAKSSADCASLVPQCATRTRPLEQKLISEEDLAANDILDY KDDDDKV
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	RGS4 regulator of G-protein signaling 4 [Homo sapiens (human)]
Official Symbol	RGS4
Synonyms	RGS4; regulator of G-protein signaling 4; regulator of G protein signalling 4, schizophrenia disorder 9, SCZD9; schizophrenia disorder 9; RGP4; SCZD9; MGC2124; MGC60244; DKFZp761F1924;
Gene ID	5999
mRNA Refseq	NM_005613
Protein Refseq	NP_005604
MIM	602516

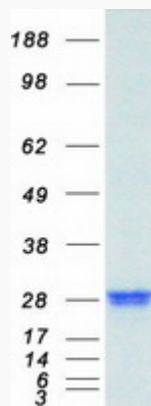
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UniProt ID **P49798**

SDS-PAGE



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