

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

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

## SPECIFICATION

<b>Product Overview</b>	RGS4 MS Standard C13 and N15-labeled recombinant protein (NP_005604) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	23.3 kDa
<b>AA Sequence</b>	MCKGLAGLPASCLRSKDKMHRGFLGQSDSCEHNSSHNNKDKKVICQRVSQEE VKKWAESLENLISHECGLAAFKAFKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKI YNEFISVQATKEVNLDSCTREETSRLNMLEPTITCFDEAQKKIFNLMEKDSYRRFLKSR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

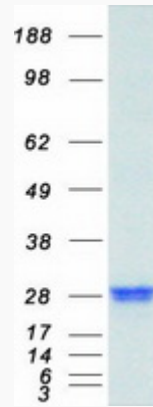
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID P49798

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA