

Recombinant Human RGS18 Protein, His-tagged

Cat. No. RGS18-1183H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RGS18 protein, fused to His tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008].
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	27.6 kDa
Purity	>50 ug/mL as determined by microplate BCA method

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name RGS18 regulator of G-protein signaling 18 [Homo sapiens]

Official Symbol RGS18

Synonyms RGS13; RGS13

Gene ID 64407

mRNA Refseq NM_130782

Protein Refseq NP_570138

MIM 607192

UniProt ID Q9NS28

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