

Recombinant Human RGS5, His-tagged

Cat. No. RGS5-31322TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RGS5 (amino acids 1-181) with an N terminal His tag; 205 amino acids with the tag; predicted MWt: 23.5 kDa;
Species	Human
Source	E.coli
ProteinLength	181 amino acids
Description	This gene encodes a member of the regulators of G protein signaling (RGS) family. The RGS proteins are signal transduction molecules which are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. This gene is a hypoxia-inducible factor-1 dependent, hypoxia-induced gene which is involved in the induction of endothelial apoptosis. This gene is also one of three genes on chromosome 1q contributing to elevated blood pressure. Alternatively spliced transcript variants encoding different isoforms have been identified.
Conjugation	HIS
Molecular Weight	23.500kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 20% Glycerol, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMGSHMCKGLAALPHSCLERAKEIKIKLGILLQKPD VGDLPYNEKPEKPAKTQKTSLEALQWRDSLKLLQNNYGLASFKSFLKSEFSEE NLEFWIACEDYKKIKSPAKMAEKAKQIYEEFIQTEAPKEVNIDHFTKDITMKNLVEPSL SSFDMAQKRIHALMEKDSLPRFVRSEFYQELIK
Sequence Similarities	Contains 1 RGS domain.

GENE INFORMATION

Gene Name	RGS5 regulator of G-protein signaling 5 [Homo sapiens]
Official Symbol	RGS5
Synonyms	RGS5; regulator of G-protein signaling 5; regulator of G protein signalling 5;
Gene ID	8490
mRNA Refseq	NM_001195303
Protein Refseq	NP_001182232
MIM	603276
Uniprot ID	O15539

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Chromosome Location	1q23.1
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	GTPase activator activity; signal transducer activity;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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