

Recombinant Human RGS21, His-tagged

Cat. No. RGS21-29966TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human RGS21 with an N terminal His tag; 176aa, 20.2kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	152 amino acids
Description	Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi (see GNAI1; MIM 139310) and Gq (see GNAQ; MIM 600998) class G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and thereby accelerate signaling kinetics and termination.
Conjugation	HIS
Molecular Weight	20.200kDa inclusive of tags
Tissue specificity	Expressed ubiquitously.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 30% Glycerol, 0.58% Sodium chloride
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	MGSSHHHHHH SSGLVPRGSH MGSH MPVKCC FYRSPTAETM TWSENMDTLL ANQAGLDAFR IFLKSEFSEE NVEFWLACED FKTKNADKI ASKAKMIYSE FIEADAPKEI NIDFGTRDLI SKNIAEPTLK CFDEAQKLIY CLMAKDSFPR FLKSEIYKKL VNSQQVPNHK KWLPL
Sequence Similarities	Contains 1 RGS domain.

GENE INFORMATION

Gene Name	RGS21 regulator of G-protein signaling 21 [Homo sapiens]
Official Symbol	RGS21
Synonyms	RGS21; regulator of G-protein signaling 21; regulator of G protein signalling 21;
Gene ID	431704
mRNA Refseq	NM_001039152
Protein Refseq	NP_001034241
MIM	612407
Uniprot ID	Q2M5E4

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Chromosome Location	1q31.1
Pathway	G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	GTPase activator activity; signal transducer activity;

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