

Recombinant Human RGS21, His-tagged

Cat. No. RGS21-3615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RGS21 human, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Regulator of G-protein signaling 21, also known as RGS21, is a RGS family member and regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,30% glycerol, 0.1M NaCl
Molecular Weight	20.2 kDa (176aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHPVKCC FYRSPTAETM TWSENMDTLL ANQAGLDAFR IFLKSEFSEE NVEFWLACED FKKTKNADKIASKAKMIYSE FIEADAPKEI NIDFGTRDLI SKNIAEPTLK CFDEAQKLIY CLMAKDSFPR

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FLKSEIYKKL VNSQQVPNHK KWL PFL

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

RGS21 regulator of G-protein signaling 21 [Homo sapiens]

Official Symbol

RGS21

Synonyms

RGS21; regulator of G-protein signaling 21; OTTHUMP00000225020; regulator of G-protein signalling 21

Gene ID

431704

mRNA Refseq

NM_001039152

Protein Refseq

NP_001034241

MIM

612407

UniProt ID

Q2M5E4

**Chromosome
Location**

1q31.1

Function

GTPase activator activity; signal transducer activity

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