Recombinant Full Length Human RGS2 Protein, His-tagged

Cat. No. RGS2-3484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RGS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-211 a.a.
Description	RGS2, also known as G0S8, 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 10% glycerol, 2mM DTT, 0.1M NaCl.
Molecular Weight	26.5 kDa (231aa) confirmed by MALDI-TOF (molecular size on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR

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

acids	EKMKRTLLKD WKTRLSYFLQ NSSTPGKPKT GKKSKQQAFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFK KTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKTLIAQ NIQEATSGCF TTAQKRVYSL MENNSYPRFL ESEFYQDLCK KPQITTEPHA T
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	RGS2 regulator of G-protein signaling 2, 24kDa [Homo sapiens]
Synonyms	regulator of G-protein signaling 2, 24kDa; G0S8; RGS2; G0/G1 switch regulatory protein 8; cell growth-inhibiting protein 31; G0 to G1 switch regulatory 8, 24kD; cell growth-inhibiting gene 31 protein; GIG31
Gene ID	5997
mRNA Refseq	NM_002923
Protein Refseq	NP_002914
MIM	600861
UniProt ID	P41220
Chromosome Location	1q31
Function	GTPase activator activity; calmodulin binding; protein binding; signal transducer activity

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