Recombinant Full Length Human RGS2 Protein

Cat. No. RGS2-29964TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full lengthhuman RGS2 protein, 25 kDa.
Species	Human
Source	E.coli
ProteinLength	1-211 a.a.
Description	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 2 belongs to this family. The protein acts as a mediator of myeloid differentiation and may play a role in leukemogenesis.
Tissue specificity	Expressed in acute myelogenous leukemia (AML) and in acute lymphoblastic leukemia (ALL).
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequence Similarities	Contains 1 RGS domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	RGS2 regulator of G-protein signaling 2, 24kDa [Homo sapiens]
Official Symbol	RGS2
Synonyms	RGS2; regulator of G-protein signaling 2, 24kDa; G0S8, regulator of G protein signalling 2, 24kD , regulator of G protein signalling 2, 24kDa; regulator of G-protein signaling 2;
Gene ID	5997
mRNA Refseq	NM_002923
Protein Refseq	NP_002914
MIM	600861
Uniprot ID	P41220
Chromosome Location	1q31
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

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Function	GTPase activator activity; calmodulin binding; signal transducer activity;

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