Datasheet for ABIN6700455

RGS1 Protein (His tag)

Go to Product page

Overview

Quantity:	20 µg
Target:	RGS1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	RGS1 recombinant protein-HIS Epitope
Purification:	Recombinant full-length human RGS1 Protein was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	RGS1
Alternative Name:	RGS1 (RGS1 Products)
Background:	Synonyms: IR20, IER1, 1R20, BL34, Regulator of G-protein signaling 1, RGS1, B-cell activation protein BL34, Early response protein 1R20 Background: RGS1 is a member of the regulator of G-protein signaling family and attenuates the signaling activity of G-proteins. RGS1 binds to activated GTP-bound G alpha subunit and

Target Details

	acts as a GTPase activating protein (GAP) thereby increasing the rate of conversion of GTP to GDP and terminating the signal (1). RGS1 is extensively up-regulated in renal cell carcinoma (RCC) tissues and melanoma. In melanoma, RGS1 expression is significantly correlated with increased tumor thickness, mitotic rate and presence of vascular involvement. Furthermore, there is significant association between increasing RGS1 expression and reduced relapse-free survival as well as disease-specific survival (DSS) survival (2). RGS1 Protein is ideal for investigators involved in Signaling Proteins, G-Proteins, AKT/PKB Pathway, Cancer, Cell Cycle, ERK/MAPK Pathway, Inflammation, JNK/SAPK Pathway, p38 Pathway, and PKA/PKC Pathway research.
Pathways:	MAPK Signaling, Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: RGS1 Protein is suitable for use in Western Blot. Expect a band approximately ~26 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	RGS1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months