

Datasheet for 009-001-T13S**RAC2 protein-HIS Epitope****Overview**

Description:	RAC2 recombinant protein-HIS Epitope - 009-001-T13S
Item No.:	009-001-T13S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	RAC2 is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins and is involved in a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization and the activation of protein kinases. Knockdown of the gene for both RAC1 and RAC2 completely blocks B-cell development indicating that both GTPases are required to transduce B-cell receptor (BCR) signals leading to proliferation, survival, and the upregulation of BAFF receptor (1). Furthermore, RAC2 is required for the transfer of electrons from NADPH to cytochrome b-associated FAD, then to cytochrome b heme, and finally to oxygen (2). RAC2 Protein is ideal for investigators involved in Signaling Proteins, G-Proteins, Cancer, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, and Neurobiology research.
Synonyms:	Gx, EN-7, HSPC022, Ras-related C3 botulinum toxin substrate 2, GX, Small G protein, p21-Rac2, RAC2
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	RAC2
Purity/Specificity:	Recombinant full-length human RAC2 was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >70% by densitometry.
Relevant Links:	• NCBI - NM_002872

Application Details

Application Note:	RAC2 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. RAC2 Protein is suitable for use in Western Blot. Expect a band approximately ~22kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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