

RAC2 recombinant protein

RAC2, Active

CATALOG # AAA73115	HOST E Coli	APPLICATIONS Western Blot, ELISA
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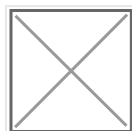
PRODUCT SYNONYMS

RAC2; Active; RAC2 recombinant protein

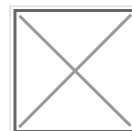
PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Positions	Full length
Sequence Length	1538
Applicable Applications for RAC2 recombinant protein	WB (Western Blot), ELISA
Species	Human
Tag	HIS tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for RAC2 recombinant protein	Description: Recombinant full length human RAC2 was expressed in E Coli cells using an N-terminal His tag. Scientific 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).
Product Categories/Family for RAC2 recombinant protein	Enzymes; Active GTPases/ATPases
References	1. Walmsley, M. J. et al: Critical roles for Rac1 and Rac2 GTPases in B cell development and signaling. Science 302: 459-462, 2003. 2. Diebold, B. A. et al: Molecular basis for Rac2 regulation of phagocyte NADPH oxidase. Nature Immun. 2: 211-215, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	520262262
NCBI GeneID	5880
NCBI Accession #	NM_002872.4
NCBI GenBank Nucleotide #	NM_002872
UniProt Accession #	P15153; Q9UDJ4; AAB22207
Molecular Weight	22 kDa
NCBI Official Full Name	Homo sapiens ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) (RAC2), mRNA
NCBI Official Synonym Full Names	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
NCBI Official Symbol	RAC2
NCBI Official Synonym Symbols	Gx; EN-7; HSPC022; p21-Rac2
NCBI Protein Information	ras-related C3 botulinum toxin substrate 2
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 2
UniProt Gene Name	RAC2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rac2-recombinant-protein-e-coli-wb-western-blot-elisa/73115>