

RAC3 recombinant protein

RAC3, Active

CATALOG # AAA73113	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

RAC3; Active; RAC3 recombinant protein

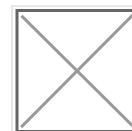
PRODUCT SPECIFICATIONS

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	1077
Applicable Applications for RAC3 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 RAC3 recombinant protein	Description: Recombinant full length human RAC3 was expressed in E Coli cells using an N-terminal His tag. Scientific Background: RAC3 is a GTPase which belongs to the RHO family of small GTP-binding proteins that regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. RAC3 is primarily expressed in brain and is proposed to play a specific function in neuronal cells. Depletion of RAC3 induces stronger cell adhesion and dramatically increases the outgrowth of neurite-like protrusions whereas overexpression of RAC3 results in a contractile round morphology (1). RAC3 can exert its function through negatively affecting integrin-mediated cell-matrix adhesions (2). RAC3 shares with RAC1 the ability to interfere with cadherin-mediated adhesion.
Product Categories/Family for RAC3 recombinant protein	Enzymes; Active GTPases/ATPases

References	1. Hajdo-Milasnovic A, et al: Rac3 inhibits adhesion and differentiation of neuronal cells by modifying GIT1 downstream signaling. J Cell Sci. 2009 Jun 15;122 (Pt 12):2127-36. 2. Lozano E, et al: PAK is required for the disruption of E-cadherin adhesion by the small GTPase Rac. J Cell Sci. 2008 Apr 1;121 (Pt 7):933-8.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38683861
NCBI GeneID	5881
NCBI Accession #	NM_005052.2
NCBI GenBank Nucleotide #	NM_005052
UniProt Accession #	P60763; O14658; Q5U0M8
Molecular Weight	24 kDa
NCBI Official Full Name	Homo sapiens ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3) (RAC3), transcript variant 1, mRNA
NCBI Official Synonym Full Names	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)
NCBI Official Symbol	RAC3
NCBI Protein Information	ras-related C3 botulinum toxin substrate 3
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 3
UniProt Gene Name	RAC3

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/rac3-recombinant-protein-e-coli-wb-western-blot-elisa/73113>