

RAC2 recombinant protein

RAC2, 1-189aa, Human, His tag, E Coli

CATALOG # AAA48552	HOST E Coli	APPLICATIONS SDS-Page
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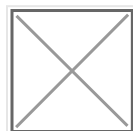
PRODUCT SYNONYMS

RAC2; 1-189aa; Human; His tag; E Coli; Ras-related C3 botulinum toxin substrate 2.; EN-7; Gx; HSPC022; Ras-related C3 botulinum toxin substrate 2; EN 7; EN7; HSPC 022; p21 Rac 2; p21 Rac2; p21Rac2; RAC 2; Ras related C3 botulinum toxin substrate 2; Ras related C3 botulinum toxin substrate 3; Rho family small GTP binding protein Rac 2; Rho family small GTP binding protein Rac2; Small G protein.; RAC2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol 2mM EDTA, 2mM DTT, 0.1 M NaCl.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-189aa
Sequence	MGSSHHHHH SSSLVPRGSH MQAICVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDSKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASY ENVRAKWFPE VRHHCPSTPI ILVGTKLDLR DDKDTIECLK EKKLAPITYP QGLALAKEID SVKYLECSAL TQRGLKTVFD EAIRAVLCPQ PTRQQKRAC
Applicable Applications for RAC2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RAC2 recombinant protein	Rac2 is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. Rac proteins play important roles in multiple cellular events, including actin cytoskeletal organization, cell proliferation and survival, cell cycle progression, and gene transcription regulation. Recombinant human RAC2 was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RAC2 recombinant protein	Signal Transduction

References	Ambruso DR., et al. (2000) Proc Natl Acad Sci u S A. 97 (9):4654-9. ; Faure J., et al. (2001) Biochimie. 83 (5):409-14.;
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506381
NCBI GeneID	5880
NCBI Accession #	NP_002863
NCBI GenBank Nucleotide #	NM_002872.4
UniProt Accession #	P15153; Q9UDJ4
Molecular Weight	23.3 kDa (209aa), confirmed by MALDI-TOF.
NCBI Official Full Name	ras-related C3 botulinum toxin substrate 2
NCBI Official Synonym Full Names	Rac family small GTPase 2
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-sds-page/48552>