

Recombinant Human RAC3

Cat. No. RAC3-3391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAC3 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 21kDa (189aa).
Species	Human
Source	E.coli
Protein Length	1-189 a.a.
Description	RAC3 is a member of the Rac subfamily of the Rho small G proteins. This protein is a small (~21 kDa) monomeric GTP-binding protein, and is an important component of intracellular signalling pathway, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 200mM NaCl, 0.1mM PMSF, 1mM EDTA.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDGKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASF ENVRAKWYPE VRHHCPTPI LLVGTKDLR DDKDTIERLR DKKLAPITYP QGLAMAREIG SVKYLECSAL TQRGLKTVFD EAIRAVLCPP PVKKPGKKC.

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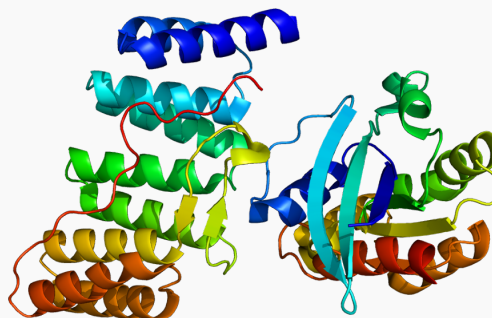
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Adherens junction; Axon guidance; B cell receptor signaling pathway; Colorectal cancer; Fc epsilon RI signaling pathway; Focal adhesion; MAPK signaling pathway; Natural killer cell mediated cytotoxicity; Pancreatic cancer; Pathways in cancer; Regulation of actin cytoskeleton; VEGF signaling pathway; Wnt signaling pathway
GENE INFORMATION	
Gene Name	RAC3 ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3) [Homo sapiens]
Synonyms	RAC3; ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3); rho family, small GTP binding protein Rac3; Ras-related C3 botulinum toxin substrate 3; p21-Rac3
Gene ID	5881
mRNA Refseq	NM_005052
Protein Refseq	NP_005043
MIM	602050
UniProt ID	P60763
Chromosome Location	17q25.3
Function	GTP binding; GTPase activity; nucleotide binding; protein binding

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