9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RAC2 Human

RAC2 Human Recombinant
RCP1783

Product Overview

Name	RAC2 Human
Description	
RAC2 Human Recombinant	
Accession (Primary)	P15153
Synonyms	
p21-Rac2, Small G protein, GX, RAC2, HSPC022, EN-7.	
Introduction	
RAC2 is a small signaling G protein/GTPase which is part of the RAS superfamily of small GTP-binding proteins which regulate cell growth, actin cytoskeletal organization, cell proliferation, survival, cell cycle progression, gene transcription rgulation and the activation of protein kinases. RAC2 cycles between an active gtp-bound and inactive gdp-bound state. In active state, RAC2 binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytose of apoptotic cells and epithelial cell polarization. RAC2 is involved in the regulation of the nadph oxidase.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The RAC2 protein solution (1mg/ml) contains 1x PBS pH-7.4.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF	

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GGGDHPPKSD LVPRGSHMQA IKCVVVGDGA VGKTCLLISY TTNAFPGEYI PTVFDNYSAN VMVDSKPVNL GLWDTAGQED YDRLRPLSYP QTDVFLICFS LVSPASYENV RAKWFPEVRH HCPSTPIILV GTKLDLRDDK DTIEKLKEKK LAPITYPQGL ALAKEIDSVK YLECSALTQR GLKTVFDEAI RAV LCPQPTR QQKRACSLL.

Precautions

RAC2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P15153)