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RAC2 Human, 189a.a

Ras-Related C3 Botulinum Toxin Substrate 2 (1-189) Human Recombinant RCP1784

Product Overview

Name	RAC2 Human, 189a.a

Description

Ras-Related C3 Botulinum Toxin Substrate 2 (1-189) Human Recombinant

Accession (Primary)	P15153

Synonyms

Ras-related C3 botulinum toxin substrate 2, 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 solution contains 20mM Tris-HCl buffer (pH 8.0), 20% Glycerol, 2mM EDTA, 2mM DTT and 0.1M NaCl.

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 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDSKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASY ENVRAKWFPE VRHHCPSTPI ILVGTKLDLR DDKDTIEKLK EKKLAPITYP QGLALAKEID SVKYLECSAL TQRGLKTVFD EAIRAVLCPQ PTRQQKRAC.

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Precautions

RAC2 Human, 189a.a is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P15153)