
Product Data Sheet

Product Name: RAC1 Human
Cat. No.: GP24309
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia C
Physical Appearance	solid	Shipping Condition	Shipped with

Synonyms P21-RAC1; RAC-1; RAC1; RAS-like protein TC25; MIG5; Cell-migration-inducing gene 5 protein; rho family small GTP binding protein

Amino Acid Sequence MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAQEDYDRLRPLSYPQTDVFLICFSLVSPASFENVRKWPYEV
PPVKRKRKCLLL.

Formulation The protein solution contains 20mM Tris-HCl pH7.5, 2mM EDTA and 1mM DTT.

Introduction

RAC1 is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. RAC-1 regulates the actin cytoskeleton but also other cellular processes. RAC1 have been shown to be involved in the regulation of cell-cell adhesion.

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.

Background

RAC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 192 amino acids and having a molecular mass of 21.4 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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