
Product Data Sheet

Product Name: RAC3 Human
 Cat. No.: GP24313
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras-related C3 substrate 3; p21-Rac3; RAC3.		
Amino Acid Sequence	MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDGKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASF ENVRAKWYPE VRHHCPHTPI LLVGTKLDLR DDKDTIERLR DKKLAPITYP QGLAMAREIG SVKYLECSAL TQRGLKTVFD EAIRAVLCPP PVKKPGKKC.		
Formulation	The RAC3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT, 200mM NaCl, 0.1mM PMSF and 1mM EDTA.		

Introduction

RAC3 belongs to the Rac subfamily of the Rho small G proteins. RAC3 is a small (approximately 21kDa) monomeric GTP-binding protein, which is an important component of intracellular signaling pathway, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases.

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

RAC3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 189 amino acids (1-189 a.a.) and having a total molecular mass of 21kDa. RAC3 is purified by proprietary chromatographic techniques.

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

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