
Product Data Sheet

Product Name: RAB27A Human
 Cat. No.: GP24290
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GS2; RAM; RAB27; GS2; HsT18676; MGC117246; RAB27A; member RAS oncogene family.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSDGDYDYLI KFLALGDSGV GKTSVLYQYT DGKFNSKFIT TVGIDFREKR VVYRASGPDG ATGRGQRIHL QLWDTAGQER FRSLTTAFFR DAMGFLLLF D LTNEQSFLNV RNWISQLQMH AYCENPDIVL CGNKSDLEDQ RVVKEEEAIA LAEKYGIPYF E TSAANGTNI SQAIEMLLDL IMKRMERCVD KSWIPEGVVR SNGHASTDQL SEEKEKGACG C.		
Formulation	RAB27A Human solution containing 20mM Tris HCL pH-8, 1mM DTT, & 20% glycerol.		

Introduction

RAB27A is part of the small GTPase superfamily, Rab family. RAB27A is membrane-bound and participates in protein transport and small GTPase mediated signal transduction. Mutations in this RAB27A are associated with Griscelli syndrome type 2. RAB27A is involved in cytotoxic granule exocytosis in lymphocytes. RAB27A is necessary for both granule maturation and granule docking and priming at the immunologic synapse.

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

RAB27A Human Recombinant produced in E.Coli is a single, non-

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glycosylated, polypeptide chain containing 241 amino acids (1-221a.a.) and having a molecular mass of 27 kDa. RAB27A protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

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