
Product Data Sheet

Product Name: RAB8 Human
 Cat. No.: GP24278
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras-related protein Rab-8B; RAB8B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAKTYDY LFKLLIGDS GVGKTCLLFR FSEDAFNNTF ISTIGIDFKI RTIELDGKKI KLQIWDTAGQ ERFRTITTAY YRGAMGIMLV YDITNEKSFN NIKNWIRNIE EHASSDVERM ILGNKCDMND KRQVSKERGE KLAIDYGIKF LETSAKSSAN VEEAFFTLAR DIMTKLNRKM NDSNSAGAGG PVKITENRSK KTSFFRC.		
Formulation	The RAB8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

RAB8, Member RAS Oncogene Family (RAB8B), is a low molecular mass monomeric GTPases which localize on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB8 takes part in polarized vesicular trafficking and neurotransmitter release and also in cell junction dynamics in Sertoli cells. RAB proteins function in intracellular vesicle transport by aiding in the docking or fusion of vesicles with their target membranes.

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

RAB8 Human Recombinant produced in E. coli is a single polypeptide chain containing 227 amino acids (1-204) and having a molecular mass of 25.7kDa. RAB8 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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