
Product Data Sheet

Product Name: RAB13 Human
 Cat. No.: GP24281
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RAB13 member RAS oncogene family; Cell growth-inhibiting gene 4 protein; Growth-inhibiting gene 4 protein; RAS-associated protein RAB13.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAKAYDHLFK LLLIGDSGVG KTCLIRFAE DNFNNTYIST IGIDFKIRTV DIEGKKIKLQ VWDTAGQERF KTITTAYYRG AMGIILVYDI TDEKSFENIQ NWMKSIKENA SAGVERLLLK NKCDMEAKRK VQKEQADKLA REHGIRFFET SAKSSMNVDE AFSSLARDIL LKSGGRRSGN GNKPPSTDLK TCDKKNTNKC		
Formulation	RAB13 protein (0.25mg/ml) is supplied in 20mM Tris-HCL, pH-8, 1mM DTT, 200mM NaCl, 1mM EDTA and 20% Glycerol.		

Introduction

RAB13 is a member of the small GTPase superfamily which are nontransforming monomeric GTP-binding proteins that hold 4 extremely conserved regions that take part in GTP binding and hydrolysis. In addition, RAB proteins have a vital role in the endocytic pathways. The GTPase Rab13 regulates the assembly of functional epithelial tight junctions (TJs) and is expressed in every phase of preimplantation development.

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

RAB13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 220 amino acids (1-200) and having a molecular mass of 24.7 kDa. The RAB13 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary

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

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chromatographic techniques.

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