9051 Mira Mesa Blvd, #910094
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RSG1 Human

REM2 and RAB-Like Small GTPase 1 Human Recombinant
RCP1932

Product Overview

Name	RSG1 Human
Description	
REM2 and RAB-Like Small GTPase 1 Human Recombinant	
Accession (Primary)	Q9BU20
Synonyms	
REM2- and Rab-like small GTPase 1, RSG1, C1orf89, RP4-733M16.4.	
Introduction	
REM2 and RAB-Like Small GTPase 1 (RSG1) plays a part in targeted membrane trafficking most likely at the level of vesicle fusion with membranes. The RSG1 protein is involved in cilium biogenesis by regulating the transportation of cargo proteins to the basal body and to the apical tips of cilia. RSG1 is a potential effector of the planar cell polarity signaling pathway. RSG1 is also involved in exocytosis in secretory cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RSG1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl, 50% glycerol and 2mM DTT.	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MARPPVP GSVVVPNWHE SAEGKEYLAC ILRKNRRRVF GLLERPVLLP PVSIDTASYK IFVSGKSGVG KTALVAKLAG LEVPVVHHET TGIQTTVVFW PAKLQASSRV VMFRFEFWDC GESALKKFDH MLLACMENTD AFLFLFSFTD RASFEDLPGQ LARIAGEAPG VVRMVIGSKF DQYMHTDVPE RDLTAFRQAW ELPLLRVKSV PGRRLADGRT LDGRAGLADV AHILNGLAEQ LWHQDQVAAG LLPNPPESAP E.	
Precautions	

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RSG1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BU20)