9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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RAB32 Human

RAB32, Member RAS Oncogene Family Human Recombinant
RCP1763

Product Overview

Name	RAB32 Human
Description	
RAB32, Member RAS Oncogene Family Human Recombinant	
Accession (Primary)	Q13637
Synonyms	
RAB32 member RAS oncogene family, ras-related protein Rab-32.	
Introduction	
RAB32 is a member of the small GTPase superfamily. RAB32 controls ER calcium management and disturbs the specific enhancement of calnexin on the MAM (mitochondria-associated membrane), however avoids affecting the ER distribution of protein-disulfide isomerase and mitofusin-2. Furthermore, RAB32 regulates the targeting of PKA (cAMP-dependent protein kinase) to mitochondrial and ER membranes and by inactivation or overexpression enhances the phosphorylation of Drp1 and Bad. Using a combination of its functions as a regulator of MAM properties and a PKA-anchoring protein, the activity and expression level of RAB32 define the speed of apoptosis onset.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The RAB32 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 0.2M NaCl, 0.2M EDTA and 50% glycerol.	
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 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MAGGGA GDPGLGAAAA PAPETREHLF KVLVIGELGV GKTSIIKRYV HQLFSQHYRA TIGVDFALKV LNWDSRTLVR LQLWDIAGQE RFGNMTRVYY KEAVGAFVVF DISRSSTFEA	

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VLKWKSDLDS KVHLPNGSPI PAVLLANKCD QNKDSSQSPS QVDQFCKEHG FAGWFETSAK DNINIEEAAR FLVEKILVNH QSFPNEENDV DKIKLDQETL RAENKSQCC

Precautions

RAB32 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13637)