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RAB32 Human

Description:RAB32 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 249 amino acids (1-225) and having a molecular mass of 27.6 kDa.RAB32 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-957

For research use only.

Synonyms:RAB32 member RAS oncogene family, ras-related protein Rab-32.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMAGGGA GDPGLGAAAA PAPETREHLF KVLVIGELGV GKTSIIKRYV HQLFSQHYRA TIGVDFALKV LNWDSRTLVR LQLWDIAGQE RFGNMTRVYY KEAVGAFVVF DISRSSTFEA VLKWKSDLDS KVHLPNGSPI PAVLLANKCD QNKDSSQSPS QVDQFCKEHG FAGWFETSAK DNINIEEAAR FLVEKILVNH QSFPNEENDV DK

Purity: Greater than 90% as determined by SDS-PAGE.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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