

32-4564: Recombinant Human RAB32, Member RAS Oncogene Family

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

Description

Source : E.coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	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.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMAGGGA GDPGLGAAAA PAPETREHLF KVLVIGELGV GKTSIIKRYV HQLFSQHYRA TIGVDFALKV LNWDSRTLVR LQLWDIAGQE RFGNMTRVYY KEAVGAFVVF DISRSSTFEA VLKWKSDLDS KVHLPNGSPI PAVLLANKCD QNKDSSQSPS QVDQFCKEHG FAGWFETSAK DNINIEEAAR FLVEKILVNH QSFPNEENDV DKIKLDQETL RAENKSQCC

