

Recombinant Human RAB32, Member RAS Oncogene Family, His-tagged

Cat. No. RAB32-2495H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB32 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 27.6 kDa.
Species	Human
Source	E.coli
ProteinLength	1-225aa
Description	RAB32 belongs to the small GTPase superfamily. RAB32 modulates ER calcium handling and disrupts the specific enrichment of calnexin on the MAM (mitochondria-associated membrane), while not affecting the ER distribution of protein-disulfide isomerase and mitofusin-2. Also, RAB32 determines the targeting of PKA (cAMP-dependent protein kinase) to mitochondrial and ER membranes and through its overexpression or inactivation increases the phosphorylation of Bad and of Drp1.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 50% glycerol, 200mM NaCl, 2mM EDTA.
Molecular Mass	27.6kDa (249aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAGGGA GDPGLGAAAA PAPETREHLF KVLVIGELGV GKTSIIKRYV HQLFSQHYRA TIGVDFALKV LNWDSRTLVR

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LQLWDIAGQE RFGNMTRVYY KEAVGAFVVF DISRSSTFEA VLKWKSDLDS
KVHLPNGSPI PAVLLANKCD QNKDSSQSPS QVDQFCKEHG FAGWFETSAK
DNINIEEAAR FLVEKILVNH QSPNEENDV DKIKLDQETL RAENKSQCC

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RAB32 RAB32, member RAS oncogene family \[Homo sapiens \]](#)

Official Symbol RAB32

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

Gene ID [10981](#)

mRNA Refseq [NM_006834](#)

Protein Refseq [NP_006825](#)

MIM [612906](#)

UniProt ID [Q13637](#)

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Chromosome Location	6q24.2
Function	GTP binding; nucleotide binding;