

RAB32 recombinant protein

RAB32, 1-225aa, Human, His tag, E Coli

CATALOG # AAA48758	HOST E Coli	APPLICATIONS SDS-Page
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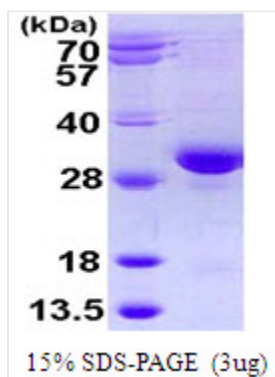
PRODUCT SYNONYMS

RAB32; 1-225aa; Human; His tag; E Coli; Ras-related protein Rab-32; RAB32 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 5mM DTT, 50% glycerol, 200mM NaCl, 2mM EDTA
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSHMAGGGA GDPGLGAAAA PAPETREHLF KVLVIGELGV GKTSIIKRYV HQLFSQHYRA TIGVDFALKV LNWDSRTLVR LQLWDIAGQE RFGNMTRVYY KEAVGAFVVF DISRSSTFEA VLKWKSDLDS KVHLPNGSPI PAVLLANKCD QNKDSSQSPS QVDQFCKEHG FAGWFETSAK DNINIEEAAR FLVEKILVNH QSFPNEENDV DKIKLDQETL RAENKSQCC
Sequence Length	225
Applicable Applications for RAB32 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RAB32 recombinant protein	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. Through a combination of its functions as a PKA-anchoring protein and a regulator of MAM properties, the activity and expression level of RAB32 determine the speed of apoptosis onset. Recombinant human RAB32 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RAB32 recombinant protein	Signal Transduction
References	Bui M, et al. (2010) J Biol Chem. 285 (41):31590-602.; Alto NM, et al. (2002) J Cell Biol.158 (4):659-68.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803133
NCBI GeneID	10981
NCBI Accession #	NP_006825
NCBI GenBank Nucleotide #	NM_006834.4
UniProt Accession #	Q13637
Molecular Weight	27.6kDa (249aa), confirmed by MALDI-TOF
NCBI Official Full Name	ras-related protein Rab-32
NCBI Official Synonym Full Names	RAB32, member RAS oncogene family
NCBI Official Symbol	RAB32
NCBI Protein Information	ras-related protein Rab-32
UniProt Protein Name	Ras-related protein Rab-32
UniProt Gene Name	RAB32

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rab32-recombinant-protein-e-coli-sds-page/48758>