Ras-Related Protein Rap-1b (RAP1B) Macaca Fascicularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ras-related protein Rap-1b (RAP1B), Recombinant Protein
Full Product Name	Recombinant Macaca fascicularis Ras-related protein Rap-1b (RAP1B)
Product Gene Name	RAP1B recombinant protein
Product Synonym Gene Name	RAP1B
Sequence	MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDAQQ CMLEILDTAG TEQFTAMRDL YMKNGQGFAL VYSITAQSTF NDLQDLREQI LRVKDTDDVP MILVGNKCDL EDERVVGKEQ GQNLARQWNN CAFLESSAKS KINVNEIFYD LVRQINRKTP VPGKARKKSS C
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	20,825 Da
Sequence Positions	1-181, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4R9D4
Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RAP1B recombinant protein	MBS1350448 is a recombinant protein targeting RAP1B. Also known as Recombinant Macaca fascicularis Ras-related protein Rap-1b (RAP1B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RAP1B recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAP1B. It may not necessarily be applicable to this product.

NCBI GI #	549432999
NCBI GeneID	102133022
NCBI Accession #	NP_001272334.1
UniProt Primary Accession #	Q4R9D4
UniProt Related Accession #	Q4R9D4
GenBank Nucleotide #	NM_001285405.1

NCBI Official Full Name	ras-related protein Rap-1b
NCBI Official Symbol	RAP1B
UniProt Protein Name	Ras-related protein Rap-1b
Protein Family	Ras-related protein
UniProt Gene Name	RAP1B
NCBI Protein Information	ras-related protein Rap-1b
UniProt Comments for RAP1B	GTP-binding protein that possesses intrinsic GTPase activity. Contributes to the polarizing activity of KRIT1 and CDH5 in the establishment and maintenance of correct endothelial cell polarity and vascular lumen. Required for the localization of phosphorylated PRKCZ, PARD3 and TIAM1 to the cell junction. Plays a role in the establishment of basal endothelial barrier function ().
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