Polarized Growth Protein Rax2 (rax2) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polarized growth protein rax2 (rax2), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Polarized growth protein rax2 (rax2), partial
Product Gene Name	rax2 recombinant protein
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	128,334 Da
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 O14239
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rax2 recombinant protein	MBS1227038 is a recombinant protein targeting rax2. Also known as Recombinant Schizosaccharomyces pombe Polarized growth protein rax2 (rax2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rax2 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 rax2. It may not necessarily be applicable to this product.

NCBI GI #	19114811
NCBI GeneID	2542793
NCBI Accession #	NP_593899.1
UniProt Primary Accession #	O14239
GenBank Nucleotide #	NM_001019329.2
NCBI Official Full Name	cell polarity factor Rax2
NCBI Official Symbol	rax2
UniProt Protein Name	Polarized growth protein rax2
UniProt Synonym Protein Names	Revert to axial protein 2
Protein Family	Bud site selection protein

UniProt Gene Name	rax2
NCBI Protein Information	cell polarity factor Rax2
UniProt Comments for rax2	Controls cell polarity, through the G1 phase of mitosis, via regulation of for3 localization. Required for actin cable formation where it directs the spatial distribution of the actin cables.
Research Articles on rax2	**1.** SPAC6f6.06c of S. pombe is designated as rax2+, based on its sequence homology with RAX2; observations suggest that rax2p controls the cell polarity of fission yeast during vegetative growth by regulating for3p localization
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