Serine/Threonine-Protein Kinase Rio2 (rio2) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine/threonine-protein kinase rio2 (rio2), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Serine/threonine-protein kinase rio2 (rio2), partial
Product Gene Name	rio2 recombinant protein
Product Synonym Gene Name	rio2
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	61,089 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 Q54T05
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rio2 recombinant protein	MBS1352991 is a recombinant protein targeting rio2. Also known as Recombinant Dictyostelium discoideum Serine/threonine-protein kinase rio2 (rio2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rio2 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 rio2. It may not necessarily be applicable to this product.

NCBI GI #	66812342
NCBI GeneID	8623405
NCBI Accession #	XP_640350.1
UniProt Primary Accession #	Q54T05
GenBank Nucleotide #	XM_635258.1
NCBI Official Full Name	hypothetical protein DDB_G0282099
NCBI Official Symbol	rio2
UniProt Protein Name	Serine/threonine-protein kinase rio2

Protein Family	RIO-type serine/threonine-protein kinase
UniProt Gene Name	rio2
NCBI Protein Information	RIO family protein kinase; RIO2 subfamily protein kinase; protein kinase, Atypical group
UniProt Comments for rio2	Required for the final endonucleolytic cleavage of 20S pre-rRNA at site D in the cytoplasm, converting it into the mature 18S rRNA. Involved in normal export of the pre-40S particles from the nucleus to the cytoplasm ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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