Rik1-Associated Factor 1 (raf1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rik1-associated factor 1 (raf1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Rik1-associated factor 1 (raf1), partial
Product Gene Name	raf1 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	71,536 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 O74910
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for raf1 recombinant protein	MBS1238159 is a recombinant protein targeting raf1. Also known as Recombinant Schizosaccharomyces pombe Rik1-associated factor 1 (raf1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of raf1 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 raf1. It may not necessarily be applicable to this product.

NCBI GI #	19075200
NCBI GeneID	2538848
NCBI Accession #	NP_587700.1
UniProt Primary Accession #	O74910
GenBank Nucleotide #	NM_001022695.2
NCBI Official Full Name	Rik1-associated factor Raf1
NCBI Official Symbol	raf1
UniProt Protein Name	Rik1-associated factor 1
UniProt Synonym Protein Names	Cryptic loci regulator 8; De-localization of swi6 protein 1
Protein Family	RAF proto-oncogene serine/threonine-protein kinase

UniProt Gene Name	raf1
UniProt Synonym Gene Names	clr8; cmc1; dos1
NCBI Protein Information	Rik1-associated factor Raf1
UniProt Comments for raf1	Component of the rik1-associated E3 ubiquitin ligase complex that shows ubiquitin ligase activity and is required for histone H3K9 methylation. H3K9me represents a specific tag for epigenetic transcriptional repression by recruiting swi6/HP1 to methylated histones which leads to transcriptional silencing within centromeric heterochromatin, telomeric regions and at the silent mating-type loci. Has a role in both mitotic and meiotic chromosome segregation.
Research Articles on raf1	**1.** Disruption of Dos1, Dos2, or Cdc20 results in dissociation of CENP-A from centromeres and mislocalization of the protein to noncentromeric sites during S phase.
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