Origin Recognition Complex Subunit 4 (orc4) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Origin recognition complex subunit 4 (orc4), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Origin recognition complex subunit 4 (orc4), partial
Product Gene Name	orc4 recombinant protein
Product Synonym Gene Name	orc4
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	108,613 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 Q9Y794
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for orc4 recombinant protein	MBS1328674 is a recombinant protein targeting orc4. Also known as Recombinant Schizosaccharomyces pombe Origin recognition complex subunit 4 (orc4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of orc4 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 orc4. It may not necessarily be applicable to this product.

NCBI GI #	19112617
NCBI GeneID	2541298
NCBI Accession #	NP_595825.1
UniProt Primary Accession #	Q9Y794
GenBank Nucleotide #	NM_001021729.2
NCBI Official Full Name	origin recognition complex subunit Orc4
NCBI Official Symbol	orc4
UniProt Protein Name	Origin recognition complex subunit 4

Protein Family	ORC1-type DNA replication protein
UniProt Gene Name	orc4
UniProt Synonym Gene Names	orp4
NCBI Protein Information	origin recognition complex subunit Orc4
UniProt Comments for orc4	Component of the origin recognition complex (ORC) that binds origins of replication. It has a role in both chromosomal replication and mating type transcriptional silencing. ORC binds to multiple sites within the ars1 origin of DNA replication in an ATP-independent manner. This binding is mediated by the N-terminal A.T hook repeats of orc4.
Research Articles on orc4	**1.** The interaction of the origin recognition complex (ORC) and the Orc4 subunit with origin DNA was examined using atomic force microscopy. ORC binding occurs through Orc4, and 2 turns of DNA appear to wrap around the Orc4 subunit in the ORC complex. [Orc4]
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