Condensin Complex Subunit 2 (cnd2) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Condensin complex subunit 2 (cnd2), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Condensin complex subunit 2 (cnd2), partial
Product Gene Name	cnd2 recombinant protein
Product Synonym Gene Name	cnd2
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	83,254 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 Q9Y7R3
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cnd2 recombinant protein	MBS1387727 is a recombinant protein targeting cnd2. Also known as Recombinant Schizosaccharomyces pombe Condensin complex subunit 2 (cnd2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cnd2 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 cnd2. It may not necessarily be applicable to this product.

NCBI GI #	19075311
NCBI GeneID	2538744
NCBI Accession #	NP_587811.1
UniProt Primary Accession #	Q9Y7R3
GenBank Nucleotide #	NM_001022804.2
NCBI Official Full Name	condensin complex non-SMC subunit Cnd2
NCBI Official Symbol	cnd2
UniProt Protein Name	Condensin complex subunit 2
UniProt Synonym Protein Names	Barren homolog; CAPH homolog; p105

UniProt Gene Name	cnd2
NCBI Protein Information	condensin complex non-SMC subunit Cnd2
UniProt Comments for cnd2	Regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases. The condensin complex probably also plays a role during interphase in processes such as DNA repair.
Research Articles on cnd2	**1.** Novel phenotypes were observed for mutants of HEAT-repeats containing Cnd1 and Cnd3 subunits.Three cnd1 and three cnd3 mutants increased cell size and doubled DNA content, thereby eliminating the haploid state. The mutations are in helix B of HEAT repeats
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