Coiled-Coil Quantitatively-Enriched Protein 1 (ccq1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coiled-coil quantitatively-enriched protein 1 (ccq1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Coiled-coil quantitatively-enriched protein 1 (ccq1), partial
Product Gene Name	ccq1 recombinant protein
Product Synonym Gene Name	ccq1
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	83,301 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 Q10432
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ccq1 recombinant protein	MBS1384900 is a recombinant protein targeting ccq1. Also known as Recombinant Schizosaccharomyces pombe Coiled-coil quantitatively-enriched protein 1 (ccq1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ccq1 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 ccq1. It may not necessarily be applicable to this product.

NCBI GI #	19075710
NCBI GeneID	2539352
NCBI Accession #	NP_588210.1
UniProt Primary Accession #	Q10432
GenBank Nucleotide #	NM_001023200.2
NCBI Official Full Name	telomere maintenance protein Ccq1
NCBI Official Symbol	ccq1
UniProt Protein Name	Coiled-coil quantitatively-enriched protein 1

UniProt Synonym Protein Names	Structural maintenance of chromosomes protein ccq1; SMC protein ccq1
Protein Family	Coiled-coil quantitatively-enriched protein
UniProt Gene Name	ccq1
UniProt Synonym Gene Names	SMC protein ccq1
NCBI Protein Information	telomere maintenance protein Ccq1
UniProt Comments for ccq1	Component of the meiotic bouquet that facilitates meiotic nuclear reorganization of the telomeres to the centrosome. Links telomeres to the meiotic centrosome component pcp1. Essential for the formation of normal telomere clusters during meiotic prophase. Required for telomere length regulation and chromosome segregation. Required for proper positioning of nucleosomes at heterochromatic loci and for transcriptional gene silencing (TGS) function of the Snf2/Hdac-containing repressor complex (SHREC).
Research Articles on ccq1	**1.** Together, these data provide a first glimpse into the architectural design of the Ccq1-Tpz1-Poz1 complex and reveals unique interactions that are important in maintaining the Schizosaccharomyces pombe telomere in a non-extendible state.
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