Cell Division Control Protein 6 Homolog (CDC6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division control protein 6 homolog (Cdc6), Recombinant Protein
Full Product Name	Recombinant Mouse Cell division control protein 6 homolog (Cdc6)
Product Gene Name	Cdc6 recombinant protein
Sequence	MPQTRSQTQA TIGFPKKKLS NTLKKPNSRD CEVKLRNVQP VPTTPCVDVK LLPLSPRKRL GDDNLCNTPR LSPCSPPKLG KKENGPPRSH TWKGCRLVFD DEPTFKASPP KEQDRVRQHQ IRSSSAQRSP ESKADPEQKC PPEKESVCIR LFKQEGTCYQ QAKLVLNTAV PDRLPAREQE MGVIRNFLKE HICGKKAGSL YLSGAPGTGK TACLSRILQD FKKEVKGFKS ILLNCMSLRS AQAVFPAIAQ EIGREELCRP AGKDLMRKLE KHLTAEKGPM IVLVLDEMDQ LDSKGQDVLY TLFEWPWLSN SRLVLIGIAN TLDLTDRILP RLEARENCKP QLLNFPPYTR NQIAAILQDR LSQVSKDQVL DSAAIQFCAR KVSAVSGDIR KALDVCRRAI EIVESDVRSQ TVLKPLSECK SPSESPVPKR VGLAHISQVI SEVDGNRVTL SQENTQDSLP LQQKILVCSL LLLTRRLKIK EVTLGKLYEA YSSICRKQQV TAVDQSECLS LSGLLESRGL VGLKKNKESR LTKVSLKIEE KEIEHVLNGK AFTGNILAAG LP
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	62,614 Da
Sequence Positions	1-562, Full length protein
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 O89033
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cdc6 recombinant protein	This protein is highly similar to Saccharomyces cerevisiae Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins.
Other Notes	Small volumes of Cdc6 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.
Searchable Terms for Cdc6 purchase	MBS1250869 is a recombinant protein targeting Cdc6. Also known as Recombinant Mouse Cell division control protein 6 homolog (Cdc6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cdc6. It may not necessarily be applicable to this product.

NCBI GI #	71061453

NCBI GeneID	23834
NCBI Accession #	NP_001020950.1
UniProt Primary Accession #	O89033
UniProt Secondary Accession #	Q3TMD0; Q8C3S5; Q9CZT0
UniProt Related Accession #	O89033
GenBank Nucleotide #	NM_001025779.1
NCBI Official Full Name	cell division control protein 6 homolog isoform b
NCBI Official Synonym Full Names	cell division cycle 6
NCBI Official Symbol	Cdc6
NCBI Official Synonym Symbols	CDC18L
UniProt Protein Name	Cell division control protein 6 homolog
UniProt Synonym Protein Names	CDC6-related protein; p62(cdc6)
Protein Family	Cell division control protein
UniProt Gene Name	Cdc6
NCBI Protein Information	cell division control protein 6 homolog
UniProt Comments for Cdc6	Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.
Research Articles on Cdc6	**1.** CDK1 activation proceeds with concomitant inhibition by CDC6, which tunes the timing of the M-phase entry during the embryonic cell cycle
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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