Centromere Protein O (CENPO) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Centromere protein O (Cenpo), Recombinant Protein
Full Product Name	Recombinant Mouse Centromere protein O (Cenpo)
Product Gene Name	Cenpo recombinant protein
Product Synonym Gene Name	Cenpo
Sequence	MESANTLCPG RKCKGGVLAH LERLEAQTNI SNRKSEEPAV RKKESSLRTK IRELRQQRDK LRAEVKQWGA RVKEPPAKED PSRTVISEQE VLEREWRNVD AILEAYRFTG LSGKLTSRGV CMCISTAFEG NLLDSYFVDL VIEKPLRIHH HSVPVFIPLE KIAAAHLQTD VQRFLFRLWE YLNAYAGRKY QADQLESDFC DVLTGPLQRN ALCNLLSFTY KVEQRCQTFS FSARLLYEDP TAALPTNVTV TRPGVEASSP PWEEHRASHQ MLFRTKPLHK VFASFSKETE KLHLNLVS
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	23,604 Da
Sequence Positions	1-298, 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 Q8K015
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cenpo recombinant protein	MBS1424701 is a recombinant protein targeting Cenpo. Also known as Recombinant Mouse Centromere protein O (Cenpo). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cenpo 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 Cenpo. It may not necessarily be applicable to this product.

NCBI GI #	29336049
NCBI GeneID	52504
NCBI Accession #	NP_598807.2
UniProt Primary Accession #	Q8K015
UniProt Secondary Accession #	Q8R587; Q9CYY6

UniProt Related Accession #	Q8K015
GenBank Nucleotide #	NM_134046.5
NCBI Official Full Name	centromere protein O
NCBI Official Synonym Full Names	centromere protein O
NCBI Official Symbol	Cenpo
NCBI Official Synonym Symbols	D12Ertd482e; 2810429O05Rik; 8430427C03Rik
UniProt Protein Name	Centromere protein O
Protein Family	Centromere protein
UniProt Gene Name	Cenpo
UniProt Synonym Gene Names	Mcm21r; CENP-O
NCBI Protein Information	centromere protein O
UniProt Comments for Cenpo	Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Modulates the kinetochore-bound levels of NDC80 complex ().
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