Centromere Protein I (CENPI) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Centromere protein I (Cenpi), Recombinant Protein
Full Product Name	Recombinant Rat Centromere protein I (Cenpi)
Product Gene Name	Cenpi recombinant protein
Product Synonym Gene Name	Cenpi
Sequence	MATPRLTRNS QQQNRISQGS NSRQTTLLDW KVKDKAGNSK SVLEESSSLE DSNHADDQTE DALQTAVEYF QKGPKKASLS KDSVLEKHLK TVENVAWNNG LAPEAIDILL NVALSGKFGN ALSTRILKCM IPETHISEDS VVKAVSWLCV GKCSGNTKVL FYRWLVAMFD FIDHKKQINS LYGFFFVSLQ DDTLCPYVCH LLYLLTKKEN VKPFRARKLL DLQAKMGMQP HLQALLSLYK FFAPTLISVS LPVRKKIFFN NSKNLWTPAL LAVKLRNQGI FPEPLKLQLG PTSGRSLKRK WNYHSVIPAV NSAKKECREK MSLFDYLSND RSLPVEQLQS FPQLLENIHC LELPSQMSSV LNSSLLLHYV NCVKDESILL RLSYWLSQTL QEECVWYNMN DYQQEKEFIN FLDMVIRVQC FLQEGFYSCE AFLYKSLPLW DGFSCRSQFL KLLAWIPFSS FSEIKPLLLD HLAPLFFTSS IYFKCSLLQC LKDLLQNWLL WLSTEAQVQP MTDSPLETTL GGSMDSVSQL IEYIGWLSMV AIRLESSSTL LVHFILDFYE KVCDIYINYD LPLVVLFPPV VFHSAFLSLD ATILNQLCYI MYRYRDNLTA AKKKDLVQKA KSEFSISSKI CKEFNYYLTA LVHCLWSSRP FETGVYIDPQ IIENTGETQY KHNLNFVHHP CLLNYAASFL LQESPEEMPV HLSSIRGKKW NWYLDHLYSE GFQGLNLFIK SSIDHSSVSK TEKNT
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	85,651 Da
Sequence Positions	1-745, 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 Q63517
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cenpi recombinant protein	The product of this gene is involved in the response of gonadal tissues to follicle-stimulating hormone. This gene is also a potential candidate for human X-linked disorders of gonadal development and gametogenesis.
Other Notes	Small volumes of Cenpi 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 Cenpi purchase	MBS1422061 is a recombinant protein targeting Cenpi. Also known as Recombinant Rat Centromere protein I (Cenpi). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	6978855
NCBI GeneID	25448
NCBI Accession #	NP_037087.1
UniProt Primary Accession #	Q63517
UniProt Related Accession #	Q63517
GenBank Nucleotide #	NM_012955.1
NCBI Official Full Name	centromere protein I
NCBI Official Synonym Full Names	centromere protein I
NCBI Official Symbol	Cenpi
NCBI Official Synonym Symbols	LRPR1; RNALRP; Fshprh1
UniProt Protein Name	Centromere protein I
UniProt Synonym Protein Names	FSH primary response protein 1; Follicle-stimulating hormone primary response protein; Leucine-rich primary response protein 1
Protein Family	Centromere protein
UniProt Gene Name	Cenpi
UniProt Synonym Gene Names	Fshprh1; Lrpr1; CENP-I
NCBI Protein Information	centromere protein I
NCBI Summary for Cenpi	involved in the response of gonadal tissues to follicle-stimulating hormone (FSH) [RGD, Feb 2006]
UniProt Comments for Cenpi	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. Required for the localization of CENPF, MAD1L1 and MAD2 (MAD2L1 or MAD2L2) to kinetochores. Involved in the response of gonadal tissues to follicle-stimulating hormone ().
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