Inner Centromere Protein A (incenp-a) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Inner centromere protein A (incenp-a), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Inner centromere protein A (incenp-a), partial
Product Gene Name	incenp-a recombinant protein
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	101,199 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 O13024
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for incenp-a recombinant protein	MBS1261809 is a recombinant protein targeting incenp-a. Also known as Recombinant Xenopus laevis Inner centromere protein A (incenp-a), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of incenp-a 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 incenp-a. It may not necessarily be applicable to this product.

NCBI GI #	148222057
NCBI GeneID	398105
NCBI Accession #	NP_001081890.1
UniProt Primary Accession #	O13024
UniProt Secondary Accession #	Q4V878; Q7ZXJ9
UniProt Related Accession #	O13024
GenBank Nucleotide #	NM_001088421.1
NCBI Official Full Name	inner centromere protein A
NCBI Official Synonym Full Names	inner centromere protein L homeolog

NCBI Official Symbol	incenp.L
NCBI Official Synonym Symbols	incenp; incenp-a; incenp-b; xl-incenp
UniProt Protein Name	Inner centromere protein A
UniProt Synonym Protein Names	Mitotic phosphoprotein 130
UniProt Gene Name	incenp-a
UniProt Synonym Gene Names	XL-INCENP; xINC; xIncenp
NCBI Protein Information	inner centromere protein A
UniProt Comments for incenp-a	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Acts as a scaffold regulating CPC localization and activity. The C-terminus associates with aurkb/aurora-B, the N-terminus associated with cdca8/borealin and/or cdca9/dasra-A tethers the CPC to the inner centromere, and the microtubule binding activity within the central SAH domain directs aurkb/aurora-B toward substrates near microtubules. Activates aurkb.
Research Articles on incenp-a	**1.** Crystal structure of the Xenopus Aurora B-INCENP structure coordinated by an ATP analogue.
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