CENPP Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CENPP, Blocking Peptide
Full Product Name	CENPP Peptide - N-terminal region
Product Gene Name	CENPP blocking peptide
Product Synonym Gene Name	CENP-P; FLJ33928; RP11-19J3.3
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	CENPP peptide (MBS3236604) is used for blocking the activity of CENPP antibody (MBS3211655)
Molecular Weight	33kDa
OMIM	611505
Product Categories/Family for CENPP blocking peptide	Peptide
Applications Tested/Suitable for CENPP blocking peptide	Western Blot (WB)
Related Product Information for CENPP blocking peptide	This is a synthetic peptide designed for use in combination with anti-CENPP antibody made Target Description: CENPP is the 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. CENPP may be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex.CENPP is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1104 CR592049.1 1-1104 1105-1633 BC071726.1 622-1150 1634-1689 BX537851.1 972-1027 1690-3411 AK091247.1 839-2560 3412-3428 AL833701.1 3078-3094
Other Notes	Small volumes of CENPP blocking peptide 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 CENPP purchase	MBS3236604 is a blocking peptide targeting CENPP. Also known as CENPP Peptide - N-terminal region.

ADDITIONAL DETAILS

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

NCBI GI #	59709758
NCBI GeneID	401541
NCBI Accession #	NP_001012267
UniProt Primary Accession #	Q6IPU0
UniProt Related Accession #	Q6IPU0
GenBank Nucleotide #	NM_001012267

NCBI Official Full Name	centromere protein P isoform a
NCBI Official Synonym Full Names	centromere protein P
NCBI Official Symbol	CENPP
NCBI Official Synonym Symbols	CENP-P
UniProt Protein Name	Centromere protein P
Protein Family	Centromere protein
UniProt Gene Name	CENPP
UniProt Synonym Gene Names	CENP-P
UniProt Entry Name	CENPP_HUMAN
NCBI Protein Information	centromere protein P
NCBI Summary for CENPP	CENPP is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]).[supplied by OMIM, Mar 2008]
UniProt Comments for CENPP	CENPP: 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. Chromosomal Location of Human Ortholog: 9q22.31 Cellular Component: nucleoplasm; cytosol; chromosome, pericentric region Biological Process: nucleosome assembly; DNA replication-independent nucleosome assembly at centromere; mitotic cell cycle
Research Articles on CENPP	**1.** Data propose that CENP-P/O/R/Q/U self-assembles on kinetochores with varying stoichiometry and undergoes a pre-mitotic maturation step that could be important for kinetochores switching into the correct conformation for microtubule-attachment.
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