CDCA8 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CDCA8, Blocking Peptide
Full Product Name	CDCA8 Peptide - middle region
Product Gene Name	CDCA8 blocking peptide
Product Synonym Gene Name	BOR; DasraB; MESRGP; BOREALIN
Sequence	Synthetic peptide located within the following region: LTPRFDSRVF KTPGLRTPAA GERIYNISGN GSPLADSKEI FLTVPVGGGE
Species Reactivity	Human
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	CDCA8 peptide (MBS3246201) is used for blocking the activity of CDCA8 antibody (MBS3221467)
Molecular Weight	30 kDa
OMIM	609977
Product Categories/Family for CDCA8 blocking peptide	Peptide
Related Product Information for CDCA8 blocking peptide	This is a synthetic peptide designed for use in combination with anti- CDCA8 Antibody, made Target Description: This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudgenes of this gene are found on chromosomes 7, 8 and 16.
Other Notes	Small volumes of CDCA8 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 CDCA8 purchase	MBS3246201 is a blocking peptide targeting CDCA8. Also known as CDCA8 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCA8. It may not necessarily be applicable to this product.

NCBI GI #	379056369
NCBI GeneID	55143
NCBI Accession #	NP_001243804.1
UniProt Primary Accession #	Q53HL2
UniProt Related Accession #	Q53HL2
GenBank Nucleotide #	NM_001256875.1
NCBI Official Full Name	borealin
NCBI Official Synonym Full Names	cell division cycle associated 8

NCBI Official Symbol	CDCA8
NCBI Official Synonym Symbols	BOR; DasraB; MESRGP; BOREALIN
UniProt Protein Name	Borealin
UniProt Synonym Protein Names	Cell division cycle-associated protein 8; Dasra-B; hDasra-B; Pluripotent embryonic stem cell-related gene 3 protein
UniProt Gene Name	CDCA8
UniProt Synonym Gene Names	PESCRG3; hDasra-B
UniProt Entry Name	BOREA_HUMAN
NCBI Protein Information	borealin
NCBI Summary for CDCA8	This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudgenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013]
UniProt Comments for CDCA8	Borealin: 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. In the complex, it may be required to direct the CPC to centromeric DNA. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment. Belongs to the borealin family. Protein type: Cell cycle regulation; Nucleolus Chromosomal Location of Human Ortholog: 1p34.3 Cellular Component: intercellular bridge; protein complex; nucleolus; spindle; midbody; nucleus; cytosol; chromosome, pericentric region; chromocenter Molecular Function: protein binding Biological Process: cell division; mitotic cell cycle; mitotic metaphase plate congression; chromosome organization and biogenesis
Research Articles on CDCA8	**1.** Results show that CDCA8 is overexpressed in bladder cancer (BC) and its high levels are correlated with poor clinicopathological features of BC patients. Therefore, CDCA8 may act as a novel prognostic marker in the diagnosis of patients with BC.
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