CETN2 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CETN2, Blocking Peptide
Full Product Name	CETN2 Peptide - middle region
Product Gene Name	CETN2 blocking peptide
Product Synonym Gene Name	CALT; CEN2
Sequence	Synthetic peptide located within the following region: DTKEEILKAF KLFDDDETGK ISFKNLKRVA KELGENLTDE ELQEMIDEAD
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	CETN2 peptide (MBS3245792) is used for blocking the activity of CETN2 antibody (MBS3220998)
Molecular Weight	20 kDa
OMIM	300006
Product Categories/Family for CETN2 blocking peptide	Peptide
Related Product Information for CETN2 blocking peptide	This is a synthetic peptide designed for use in combination with anti- CETN2 Antibody, made Target Description: Caltractin belongs to a family of calcium-binding proteins and is a structural component of the centrosome. The high level of conservation from algae to humans and its association with the centrosome suggested that caltractin plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome.
Other Notes	Small volumes of CETN2 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 CETN2 purchase	MBS3245792 is a blocking peptide targeting CETN2. Also known as CETN2 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CETN2. It may not necessarily be applicable to this product.

NCBI GI #	4757902
NCBI GeneID	1069
NCBI Accession #	NP_004335.1
UniProt Primary Accession #	P41208
UniProt Related Accession #	P41208
GenBank Nucleotide #	NM_004344.1
NCBI Official Full Name	centrin-2
NCBI Official Synonym Full Names	centrin 2

NCBI Official Symbol	CETN2
NCBI Official Synonym Symbols	CALT; CEN2
UniProt Protein Name	Centrin-2
UniProt Synonym Protein Names	Caltractin isoform 1
Protein Family	Centrin
UniProt Gene Name	CETN2
UniProt Synonym Gene Names	CALT; CEN2
UniProt Entry Name	CETN2_HUMAN
NCBI Protein Information	centrin-2
NCBI Summary for CETN2	Caltractin belongs to a family of calcium-binding proteins and is a structural component of the centrosome. The high level of conservation from algae to humans and its association with the centrosome suggested that caltractin plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome. [provided by RefSeq, Jul 2008]
UniProt Comments for CETN2	CETN2: a calcium-binding proteins and is a structural component of the centrosome. Contains 4 EF-hand calcium-binding domains. Highly conserved from algae to humans. Its association with the centrosome suggests that it plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome. Protein type: Calcium-binding; Cell cycle regulation; DNA repair, damage Chromosomal Location of Human Ortholog: Xq28 Cellular Component: centriole; centrosome; intracellular; cytosol; photoreceptor connecting cilium Molecular Function: protein binding; microtubule binding; G-protein beta/gamma-subunit binding; calcium ion binding; heterotrimeric G-protein binding Biological Process: mitosis; cell division; nucleotide-excision repair; organelle organization and biogenesis; centriole replication; spermatogenesis; mitotic cell cycle; G2/M transition of mitotic cell cycle; regulation of cytokinesis
Research Articles on CETN2	**1.** Multidisciplinary approach showed that HsPrp40Ap interacts with centrin in vitro, supporting a coupled functional role for these proteins in pre-mRNA splicing.
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