CEPT1 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	CEPT1, Blocking Peptide
Full Product Name	CEPT1 Antibody (N-term) Blocking peptide
Product Gene Name	CEPT1 blocking peptide
Product Synonym Names	Choline/ethanolaminephosphotransferase 1; hCEPT1; CEPT1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CEPT1 peptide (MBS9217557) is used for blocking the activity of CEPT1 antibody (MBS9202985)
Molecular Weight	46,554 Da
OMIM	616751
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed.
Related Product Information for CEPT1 blocking peptide	Catalyzes both phosphatidylcholine and phosphatidylethanolamine biosynthesis from CDP-choline and CDP-ethanolamine, respectively. Involved in protein-dependent process of phospholipid transport to distribute phosphatidyl choline to the lumenal surface. Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity.
Other Notes	Small volumes of CEPT1 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 CEPT1 purchase	MBS9217557 is a blocking peptide targeting CEPT1. Also known as CEPT1 Antibody (N-term) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEPT1. It may not necessarily be applicable to this product.

NCBI GI #	56118223
NCBI GeneID	10390
NCBI Accession #	NP_001007795.1
UniProt Primary Accession #	Q9Y6K0
UniProt Secondary Accession #	Q69YJ9; Q9P0Y8
UniProt Related Accession #	Q9Y6K0
GenBank Nucleotide #	NM_001007794.1
NCBI Official Full Name	choline/ethanolaminephosphotransferase 1
NCBI Official Synonym Full Names	choline/ethanolamine phosphotransferase 1
NCBI Official Symbol	CEPT1
UniProt Protein Name	Choline/ethanolaminephosphotransferase 1

Protein Family	Choline/ethanolaminephosphotransferase
UniProt Gene Name	CEPT1
UniProt Synonym Gene Names	hCEPT1
UniProt Entry Name	CEPT1_HUMAN
NCBI Protein Information	choline/ethanolaminephosphotransferase 1
NCBI Summary for CEPT1	Cholinephosphotransferase catalyses the final step in the synthesis of phosphatidylcholine by the transfer of phosphocholine from CDP-choline to diacylglycerol. The synthesis of phosphatidylethanolamine by ethanolaminephosphotransferase occurs using an analogous reaction. This gene codes for a choline/ethanolaminephosphotransferase. The protein can synthesize either choline- or ethanolamine- containing phospholipids. Two alternatively spliced transcripts encoding the same isoform have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for CEPT1	CEPT1: Catalyzes both phosphatidylcholine and phosphatidylethanolamine biosynthesis from CDP-choline and CDP- ethanolamine, respectively. Involved in protein-dependent process of phospholipid transport to distribute phosphatidyl choline to the lumenal surface. Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity. Belongs to the CDP-alcohol phosphatidyltransferase class-I family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; EC 2.7.8.1; Transferase; EC 2.7.8.2; Endoplasmic reticulum Chromosomal Location of Human Ortholog: 1p13.3 Cellular Component: endoplasmic reticulum membrane Molecular Function: diacylglycerol cholinephosphotransferase activity; ethanolaminephosphotransferase activity Biological Process: lipid metabolic process; phosphatidylcholine biosynthetic process; phosphatidylethanolamine biosynthetic process
Research Articles on CEPT1	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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