Cholecystokinin/CCK Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	Cholecystokinin/CCK, Blocking Peptide
Full Product Name	Cholecystokinin/CCK Blocking Peptide
Product Gene Name	CCK blocking peptide
Product Synonym Names	CCK; CCK8; Cholecystokinin 8; Cholecystokinin
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 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
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	Cholecystokinin/CCK peptide (MBS9627545) is used for blocking the activity of Cholecystokinin/CCK antibody (MBS9608833)
Molecular Weight	12,669 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (42299318..42307662, complement). Location: 3p22.1
OMIM	118440
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CCK blocking peptide	Blocking/Control
Related Product Information for CCK blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of CCK 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 CCK purchase	MBS9627545 is a blocking peptide targeting CCK. Also known as Cholecystokinin/CCK Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	4502605
NCBI GeneID	885
NCBI Accession #	NP_000720.1
UniProt Primary Accession #	P06307

UniProt Related Accession #	P06307
GenBank Nucleotide #	NM_000729.5
NCBI Official Full Name	cholecystokinin preproprotein
NCBI Official Synonym Full Names	cholecystokinin
NCBI Official Symbol	CCK
UniProt Protein Name	Cholecystokinin
UniProt Synonym Protein Names	(1-49)-CCK58
Protein Family	Cholecystokinin
UniProt Gene Name	CCK
UniProt Synonym Gene Names	CCK; CCK58; CCK39; CCK33; CCK25; CCK18; CCK12; CCK8; CCK7; CCK5
UniProt Entry Name	CCKN_HUMAN
NCBI Protein Information	cholecystokinin; prepro-cholecystokinin; cholecystokinin triacontatriapeptide
UniProt Comments for CCK	CCK: This peptide hormone induces gall bladder contraction and the release of pancreatic enzymes in the gut. Its function in the brain is not clear. Binding to CCK-A receptors stimulates amylase release from the pancreas, binding to CCK-B receptors stimulates gastric acid secretion. Belongs to the gastrin/cholecystokinin family. Protein type: Secreted; Hormone; Cell development/differentiation; Secreted, signal peptide Chromosomal Location of Human Ortholog: 3p22.1 Cellular Component: axon hillock; extracellular space; axon; dendrite; extracellular region; terminal button; perikaryon Molecular Function: neuropeptide hormone activity; protein binding; hormone activity Biological Process: caspase activation; positive regulation of protein oligomerization; positive regulation of peptidyl-tyrosine phosphorylation; release of cytochrome c from mitochondria; behavioral fear response; axonogenesis; positive regulation of mitochondrial depolarization; eating behavior; positive regulation of cell proliferation; protein kinase C activation; neuron migration; regulation of sensory perception of pain; signal transduction; negative regulation of appetite
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