Cholecystokinin (CCK) (Octapeptide 2-8) (Desulfated) Peptide – (27-33) Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Cholecystokinin (CCK), Peptide
Full Product Name	Cholecystokinin (CCK) (27-33) (Octapeptide 2-8) (desulfated)
Product Gene Name	CCK peptide
Host	Synthetic peptide
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	12,669 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (42299315..42307662, complement). Location: 3p22.1
OMIM	118440
Sequence (linear)	Tyr-Met-Gly-Trp-Met-Asp-Phe-NH2
Product Categories/Family for CCK peptide	Molecular Biology; MB-Peptides
Related Product Information for CCK peptide	MBS658596 is a peptide targeting CCK. Also known as Cholecystokinin (CCK) (27-33) (Octapeptide 2-8) (desulfated). Host: Synthetic peptide.
Other Notes	Small volumes of CCK 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.

ADDITIONAL DETAILS

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

NCBI GI #	179996
NCBI GeneID	885
NCBI Accession #	AAA53094.1
UniProt Primary Accession #	P06307
UniProt Related Accession #	P06307
NCBI Official Full Name	cholecystokinin
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
NCBI Summary for CCK	Cholecystokinin is a brain/gut peptide. In the gut, it induces the release of pancreatic enzymes and the contraction of the gallbladder. In the brain, its physiologic role is unclear. The cholecystokinin pro-hormone is processed by endo- and exo-proteolytic cleavages. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]
UniProt Comments for CCK	Function: 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. Subunit structure: Binds to CCK-A receptors in the pancreas and CCK-B receptors in the brain By similarity. Subcellular location: Secreted. Post-translational modification: The precursor is cleaved by proteases to produce a number of active cholecystokinins. Sequence similarities: Belongs to the gastrin/cholecystokinin family.
Research Articles on CCK	**1.** hnRNP-K regulates extracellular matrix, cell motility, and angiogenesis pathways. Involvement of the selected genes (Cck, Mmp-3, Ptgs2, and Ctgf) and pathways was validated by gene-specific expression analysis
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