CPXM2 siRNA – Inactive Carboxypeptidase-Like Protein X2 (Human)

PRODUCT OVERVIEW

Product Name	CPXM2, siRNA
Full Product Name	CPXM2 siRNA (Human)
Product Gene Name	CPXM2 sirna
Product Synonym Names	Inactive carboxypeptidase-like protein X2
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	CPXM2 siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	85,870 Da
3D Structure	ModBase 3D Structure for Q8N436
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
Quality Control	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.
Directions for Use	We recommends transfection with 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of human CPXM2 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can be transfected individually or pooled together to achieve knockdown of the target gene, which is most commonly assessed by qPCR or western blot. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for CPXM2 sirna	RNA Interference (RNAi)
Related Product Information for CPXM2 sirna	MBS8203932 is an siRNA targeting CPXM2. Also known as CPXM2 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit CPXM2 expression using RNA interference
Other Notes	Small volumes of CPXM2 sirna 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 CPXM2. It may not necessarily be applicable to this product.

NCBI GI #	223005864

NCBI GeneID	119587
NCBI Accession #	NP_937791.2
UniProt Primary Accession #	Q8N436
UniProt Secondary Accession #	B4E3Q2
UniProt Related Accession #	Q8N436
GenBank Nucleotide #	NM_198148.2
NCBI Official Full Name	inactive carboxypeptidase-like protein X2
NCBI Official Synonym Full Names	carboxypeptidase X (M14 family), member 2
NCBI Official Symbol	CPXM2
NCBI Official Synonym Symbols	CPX2; UNQ676
UniProt Protein Name	Inactive carboxypeptidase-like protein X2
Protein Family	Inactive carboxypeptidase-like protein
UniProt Gene Name	CPXM2
UniProt Entry Name	CPXM2_HUMAN
NCBI Protein Information	inactive carboxypeptidase-like protein X2
UniProt Comments for CPXM2	CPXM2: May be involved in cell-cell interactions. Belongs to the peptidase M14 family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 10q26.13 Cellular Component: extracellular matrix; extracellular space Molecular Function: zinc ion binding; metallocarboxypeptidase activity Biological Process: proteolysis
Research Articles on CPXM2	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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