TEX28 siRNA – Testis-Specific Protein TEX28 (Human)

PRODUCT OVERVIEW

Product Name	TEX28, siRNA
Full Product Name	TEX28 siRNA (Human)
Product Gene Name	TEX28 sirna
Product Synonym Names	CXorf2; Testis-specific protein TEX28
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TEX28 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	46,131 Da
OMIM	300092
3D Structure	ModBase 3D Structure for O15482
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 TEX28 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 TEX28 sirna	RNA Interference (RNAi)
Related Product Information for TEX28 sirna	MBS8222582 is an siRNA targeting TEX28. Also known as TEX28 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit TEX28 expression using RNA interference
Other Notes	Small volumes of TEX28 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 TEX28. It may not necessarily be applicable to this product.

NCBI GI #	327180748
NCBI GeneID	1527
NCBI Accession #	NP_001192130.1
UniProt Primary Accession #	O15482
UniProt Secondary Accession #	B1B1E8; D3DWW5
UniProt Related Accession #	O15482
GenBank Nucleotide #	NM_001205201.1
NCBI Official Full Name	testis-specific protein TEX28
NCBI Official Synonym Full Names	testis expressed 28
NCBI Official Symbol	TEX28
NCBI Official Synonym Symbols	fTEX; MRX99; CXorf2; TEX28P1; TEX28P2
UniProt Protein Name	Testis-specific protein TEX28
Protein Family	Testis-specific protein
UniProt Gene Name	TEX28
UniProt Synonym Gene Names	CXorf2
UniProt Entry Name	TEX28_HUMAN
NCBI Protein Information	testis-specific protein TEX28
UniProt Comments for TEX28	TEX28: Belongs to the TEX28 family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: Xq28 Cellular Component: integral to membrane
Research Articles on TEX28	**1.** TEX28 gene CNVs (copy number variations) appear to be associated with the MYP1 X-linked myopia phenotypes.
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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