TNFRSF8 siRNA – Tumor Necrosis Factor Receptor Superfamily Member 8 (Mouse)

PRODUCT OVERVIEW

Product Name	TNFRSF8, siRNA
Full Product Name	TNFRSF8 siRNA (Mouse)
Product Gene Name	TNFRSF8 sirna
Product Synonym Names	Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Lymphocyte activation antigen CD30; CD antigen CD30
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TNFRSF8 siRNA (Mouse) 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	53,216 Da
3D Structure	ModBase 3D Structure for Q60846
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 mouse TNFRSF8 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 TNFRSF8 sirna	RNA Interference (RNAi)
Related Product Information for TNFRSF8 sirna	MBS8205079 is an siRNA targeting TNFRSF8. Also known as TNFRSF8 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit TNFRSF8 expression using RNA interference
Other Notes	Small volumes of TNFRSF8 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 TNFRSF8. It may not necessarily be applicable to this product.

NCBI GI #	6678385
NCBI GeneID	21941
NCBI Accession #	NP_033427.1
UniProt Primary Accession #	Q60846
UniProt Related Accession #	Q60846
GenBank Nucleotide #	NM_009401.2
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 8
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 8
NCBI Official Symbol	Tnfrsf8
NCBI Official Synonym Symbols	Ki; Cd30; Ki-1; D1S166E
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 8
UniProt Synonym Protein Names	CD30L receptor; Lymphocyte activation antigen CD30; CD_antigen: CD30
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	Tnfrsf8
UniProt Entry Name	TNR8_MOUSE
NCBI Protein Information	tumor necrosis factor receptor superfamily member 8
UniProt Comments for TNFRSF8	TNFRSF8: Receptor for TNFSF8/CD30L. May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF- kappa-B. 2 isoforms of the human protein are produced by alternative initiation. Protein type: Receptor, misc.; Membrane protein, integral Cellular Component: membrane; integral to membrane Molecular Function: transmembrane receptor activity Biological Process: positive regulation of tumor necrosis factor biosynthetic process; positive regulation of apoptosis; positive regulation of TRAIL biosynthetic process; signal transduction; activation of NF-kappaB transcription factor
Research Articles on TNFRSF8	**1.** role in the maintenance and activation of IL-17A-producing gammadelta T cells
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