C3ORF33 siRNA – Protein C3orf33 Isoform 1 (Human)

PRODUCT OVERVIEW

Product Name	C3orf33, siRNA
Full Product Name	C3orf33 siRNA (Human)
Product Gene Name	C3orf33 sirna
Product Synonym Names	Protein C3orf33; Protein AC3-33
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	C3orf33 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	29,262 Da
3D Structure	ModBase 3D Structure for Q6P1S2
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 C3orf33 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 C3orf33 sirna	RNA Interference (RNAi)
Related Product Information for C3orf33 sirna	MBS8229139 is an siRNA targeting C3orf33. Also known as C3orf33 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit C3orf33 expression using RNA interference
Other Notes	Small volumes of C3orf33 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 C3orf33. It may not necessarily be applicable to this product.

NCBI GI #	815891026

NCBI GeneID	285315
NCBI Accession #	NP_001295158.1
UniProt Primary Accession #	Q6P1S2
UniProt Secondary Accession #	Q86YE6; Q8IXA7; Q96NB5; A8K1H5
UniProt Related Accession #	Q6P1S2
GenBank Nucleotide #	NM_001308229.1
NCBI Official Full Name	protein C3orf33 isoform 1
NCBI Official Synonym Full Names	chromosome 3 open reading frame 33
NCBI Official Symbol	C3orf33
NCBI Official Synonym Symbols	AC3-33
UniProt Protein Name	Protein C3orf33
UniProt Synonym Protein Names	Protein AC3-33
Protein Family	Protein
UniProt Gene Name	C3orf33
UniProt Entry Name	CC033_HUMAN
NCBI Protein Information	protein C3orf33
UniProt Comments for C3orf33	C3orf33: 2 isoforms of the human protein are produced by alternative splicing Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3q25.31 Cellular Component: extracellular space; integral to membrane Biological Process: regulation of transcription factor activity
Research Articles on C3orf33	**1.** AC3-33 is a novel member of the secretory family and inhibits Elk1 transcriptional activity via ERK1/2 MAP
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