GTF3C5 siRNA – General Transcription Factor 3c Polypeptide 5 Isoform a (Mouse)

PRODUCT OVERVIEW

Product Name	GTF3C5, siRNA
Full Product Name	GTF3C5 siRNA (Mouse)
Product Gene Name	GTF3C5 sirna
Product Synonym Names	General transcription factor 3C polypeptide 5; TF3C-epsilon; Transcription factor IIIC 63 kDa subunit; TFIIIC 63 kDa subunit; TFIIIC63; Transcription factor IIIC subunit epsilon
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	GTF3C5 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	59,868 Da
3D Structure	ModBase 3D Structure for Q8R2T8
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 GTF3C5 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 GTF3C5 sirna	RNA Interference (RNAi)
Related Product Information for GTF3C5 sirna	MBS8215969 is an siRNA targeting GTF3C5. Also known as GTF3C5 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit GTF3C5 expression using RNA interference
Other Notes	Small volumes of GTF3C5 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 GTF3C5. It may not necessarily be applicable to this product.

NCBI GI #	594190933
NCBI GeneID	70239
NCBI Accession #	NP_001277413.1
UniProt Primary Accession #	Q8R2T8
UniProt Secondary Accession #	Q8BLE3; Q8R0D0
UniProt Related Accession #	Q8R2T8
GenBank Nucleotide #	NM_001290484.1
NCBI Official Full Name	general transcription factor 3C polypeptide 5 isoform a
NCBI Official Synonym Full Names	general transcription factor IIIC, polypeptide 5
NCBI Official Symbol	Gtf3c5
NCBI Official Synonym Symbols	TFIIIC63; TFiiiC2-63; 2700084A09Rik
UniProt Protein Name	General transcription factor 3C polypeptide 5
UniProt Synonym Protein Names	TF3C-epsilon; Transcription factor IIIC 63 kDa subunit; TFIIIC 63 kDa subunit; TFIIIC63; Transcription factor IIIC subunit epsilon
Protein Family	General transcription factor 3C polypeptide
UniProt Gene Name	Gtf3c5
UniProt Synonym Gene Names	TFIIIC 63 kDa subunit; TFIIIC63
UniProt Entry Name	TF3C5_MOUSE
NCBI Protein Information	general transcription factor 3C polypeptide 5
UniProt Comments for GTF3C5	GTF3C5: Involved in RNA polymerase III-mediated transcription. Integral, tightly associated component of the DNA-binding TFIIIC2 subcomplex that directly binds tRNA and virus-associated RNA promoters. Belongs to the TFIIIC subunit 5 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Transcription initiation complex Cellular Component: transcription factor TFIIIC complex; nucleus Molecular Function: DNA binding Biological Process: transcription, DNA-dependent
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