TTC36 siRNA – Tetratricopeptide Repeat Protein 36 (Human)

PRODUCT OVERVIEW

Product Name	TTC36, siRNA
Full Product Name	TTC36 siRNA (Human)
Product Gene Name	TTC36 sirna
Product Synonym Names	HBP21; Tetratricopeptide repeat protein 36; TPR repeat protein 36; HSP70-binding protein 21
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	TTC36 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	14,427 Da
3D Structure	ModBase 3D Structure for A6NLP5
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 TTC36 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 TTC36 sirna	RNA Interference (RNAi)
Related Product Information for TTC36 sirna	MBS8200412 is an siRNA targeting TTC36. Also known as TTC36 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit TTC36 expression using RNA interference
Other Notes	Small volumes of TTC36 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 TTC36. It may not necessarily be applicable to this product.

NCBI GI #	122937279

NCBI GeneID	143941
NCBI Accession #	NP_001073910.1
UniProt Primary Accession #	A6NLP5
UniProt Secondary Accession #	B7ZW72; B9EJD8
UniProt Related Accession #	A6NLP5
GenBank Nucleotide #	NM_001080441.1
NCBI Official Full Name	tetratricopeptide repeat protein 36
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 36
NCBI Official Symbol	TTC36
NCBI Official Synonym Symbols	HBP21
UniProt Protein Name	Tetratricopeptide repeat protein 36
UniProt Synonym Protein Names	HSP70-binding protein 21
Protein Family	Tetratricopeptide repeat protein
UniProt Gene Name	TTC36
UniProt Synonym Gene Names	HBP21; TPR repeat protein 36
UniProt Entry Name	TTC36_HUMAN
NCBI Protein Information	tetratricopeptide repeat protein 36
UniProt Comments for TTC36	TTC36: Belongs to the TTC36 family. Chromosomal Location of Human Ortholog: 11q23.3
Research Articles on TTC36	**1.** The newly discovered interaction between HBP21 and Hsp70 suggests that HBP21 may be involved in the inhibition of progression and metastasis of tumor cells.
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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