GPR137C siRNA – Integral Membrane Protein GPR137C (Human)

PRODUCT OVERVIEW

Product Name	GPR137C, siRNA
Full Product Name	GPR137C siRNA (Human)
Product Gene Name	GPR137C sirna
Product Synonym Names	TM7SF1L2; Integral membrane protein GPR137C; Transmembrane 7 superfamily member 1-like 2 protein
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	GPR137C 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	47,075 Da
3D Structure	ModBase 3D Structure for Q8N3F9
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 GPR137C 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 GPR137C sirna	RNA Interference (RNAi)
Related Product Information for GPR137C sirna	MBS8215459 is an siRNA targeting GPR137C. Also known as GPR137C siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit GPR137C expression using RNA interference
Other Notes	Small volumes of GPR137C 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 GPR137C. It may not necessarily be applicable to this product.

NCBI GI #	153792393

NCBI GeneID	283554
NCBI Accession #	NP_001093122.1
UniProt Primary Accession #	Q8N3F9
UniProt Secondary Accession #	Q86SM2
UniProt Related Accession #	Q8N3F9
GenBank Nucleotide #	NM_001099652.1
NCBI Official Full Name	integral membrane protein GPR137C
NCBI Official Synonym Full Names	G protein-coupled receptor 137C
NCBI Official Symbol	GPR137C
NCBI Official Synonym Symbols	TM7SF1L2
UniProt Protein Name	Integral membrane protein GPR137C
UniProt Synonym Protein Names	Transmembrane 7 superfamily member 1-like 2 protein
Protein Family	Integral membrane protein
UniProt Gene Name	GPR137C
UniProt Synonym Gene Names	TM7SF1L2
UniProt Entry Name	G137C_HUMAN
NCBI Protein Information	integral membrane protein GPR137C
UniProt Comments for GPR137C	GPR137C: Belongs to the GPR137 family Protein type: Receptor, GPCR; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 14q22.1 Cellular Component: integral to membrane
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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