ABHD15 siRNA – Abhydrolase Domain-Containing Protein 15 (Human)

PRODUCT OVERVIEW

Product Name	ABHD15, siRNA
Full Product Name	ABHD15 siRNA (Human)
Product Gene Name	ABHD15 sirna
Product Synonym Names	Abhydrolase domain-containing protein 15
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ABHD15 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	51,771 Da
3D Structure	ModBase 3D Structure for Q6UXT9
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 ABHD15 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 ABHD15 sirna	RNA Interference (RNAi)
Related Product Information for ABHD15 sirna	MBS829009 is an siRNA targeting ABHD15. Also known as ABHD15 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit ABHD15 expression using RNA interference
Other Notes	Small volumes of ABHD15 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 ABHD15. It may not necessarily be applicable to this product.

NCBI GI #	269315865

NCBI GeneID	116236
NCBI Accession #	NP_937790.2
UniProt Primary Accession #	Q6UXT9
UniProt Secondary Accession #	Q96EC5
UniProt Related Accession #	Q6UXT9
GenBank Nucleotide #	NM_198147.2
NCBI Official Full Name	abhydrolase domain-containing protein 15
NCBI Official Synonym Full Names	abhydrolase domain containing 15
NCBI Official Symbol	ABHD15
UniProt Protein Name	Abhydrolase domain-containing protein 15
Protein Family	Protein
UniProt Gene Name	ABHD15
UniProt Entry Name	ABH15_HUMAN
NCBI Protein Information	abhydrolase domain-containing protein 15
UniProt Comments for ABHD15	ABHD15: Belongs to the AB hydrolase superfamily. AB hydrolase 4 family. Protein type: EC 3.1.1.-; Secreted; Secreted, signal peptide; Hydrolase Chromosomal Location of Human Ortholog: 17q11.2 Cellular Component: membrane; extracellular region Molecular Function: hydrolase activity Biological Process: metabolic process
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