DEFB50 siRNA – Beta-Defensin 50 (Mouse)

PRODUCT OVERVIEW

Product Name	DEFB50, siRNA
Full Product Name	DEFB50 siRNA (Mouse)
Product Gene Name	DEFB50 sirna
Product Synonym Names	DEFB37; PBD1; Beta-defensin 50; BD-50; mBD-50; Defensin beta 37; Defensin beta 50; Prostate beta-defensin 1
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	DEFB50 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	8,058 Da
3D Structure	ModBase 3D Structure for Q6TU36
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 DEFB50 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 DEFB50 sirna	RNA Interference (RNAi)
Related Product Information for DEFB50 sirna	MBS8223748 is an siRNA targeting DEFB50. Also known as DEFB50 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit DEFB50 expression using RNA interference
Other Notes	Small volumes of DEFB50 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 DEFB50. It may not necessarily be applicable to this product.

NCBI GI #	39979634

NCBI GeneID	387334
NCBI Accession #	NP_951022.1
UniProt Primary Accession #	Q6TU36
UniProt Secondary Accession #	Q30KM7
UniProt Related Accession #	Q6TU36
GenBank Nucleotide #	NM_199067.1
NCBI Official Full Name	beta-defensin 50
NCBI Official Synonym Full Names	defensin beta 50
NCBI Official Symbol	Defb50
NCBI Official Synonym Symbols	Pbd1; BD-50; Defb37; mBD-50; AY387658
UniProt Protein Name	Beta-defensin 50
UniProt Synonym Protein Names	Defensin, beta 37; Defensin, beta 50; Prostate beta-defensin 1
Protein Family	Beta-defensin
UniProt Gene Name	Defb50
UniProt Synonym Gene Names	Defb37; Pbd1; BD-50; mBD-50
UniProt Entry Name	DFB50_MOUSE
NCBI Protein Information	beta-defensin 50
UniProt Comments for DEFB50	Has bactericidal activity.
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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