SALL2 siRNA – Sal-Like Protein 2 Isoform 2 (Mouse)

PRODUCT OVERVIEW

Product Name	SALL2, siRNA
Full Product Name	SALL2 siRNA (Mouse)
Product Gene Name	SALL2 sirna
Product Synonym Names	SAL2; Sal-like protein 2; Spalt-like protein 2; Zinc finger protein Spalt-2; Sal-2; mSal-2
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SALL2 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	104,944 Da
3D Structure	ModBase 3D Structure for Q9QX96
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 SALL2 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 SALL2 sirna	RNA Interference (RNAi)
Related Product Information for SALL2 sirna	MBS8235433 is an siRNA targeting SALL2. Also known as SALL2 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit SALL2 expression using RNA interference
Other Notes	Small volumes of SALL2 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 SALL2. It may not necessarily be applicable to this product.

NCBI GI #	349732163

NCBI GeneID	50524
NCBI Accession #	NP_001231845.1
UniProt Primary Accession #	Q9QX96
UniProt Secondary Accession #	Q5U3X1
UniProt Related Accession #	Q9QX96
GenBank Nucleotide #	NM_001244916.1
NCBI Official Full Name	sal-like protein 2 isoform 2
NCBI Official Synonym Full Names	sal-like 2 (Drosophila)
NCBI Official Symbol	Sall2
NCBI Official Synonym Symbols	Sal-2; Msal-2; AI225809; AW559097; mKIAA0360; p150(Sal2)
UniProt Protein Name	Sal-like protein 2
UniProt Synonym Protein Names	Spalt-like protein 2; Zinc finger protein Spalt-2; Sal-2; mSal-2
Protein Family	Sal-like protein
UniProt Gene Name	Sall2
UniProt Synonym Gene Names	Sal2; Sal-2; mSal-2
UniProt Entry Name	SALL2_MOUSE
NCBI Protein Information	sal-like protein 2
UniProt Comments for SALL2	SALL2: Probable transcription factor. Belongs to the sal C2H2-type zinc-finger protein family. Protein type: C2H2-type zinc finger protein Cellular Component: NuRD complex; nucleus Molecular Function: nucleic acid binding; DNA binding; metal ion binding Biological Process: neural tube development; transcription, DNA-dependent; regulation of transcription, DNA-dependent; eye development; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent
Research Articles on SALL2	**1.** Data show that p53 activation diminished SALL2 RNA and protein levels during genotoxic cellular stress in primary embryo fibroblasts (MEFs).
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