EFR3A siRNA – Protein EFR3 Homolog A (Human)

PRODUCT OVERVIEW

Product Name	EFR3A, siRNA
Full Product Name	EFR3A siRNA (Human)
Product Gene Name	EFR3A sirna
Product Synonym Names	KIAA0143; Protein EFR3 homolog A; Protein EFR3-like
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	EFR3A 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	87,580 Da
OMIM	611798
3D Structure	ModBase 3D Structure for Q14156
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 EFR3A 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 EFR3A sirna	RNA Interference (RNAi)
Related Product Information for EFR3A sirna	MBS8232461 is an siRNA targeting EFR3A. Also known as EFR3A siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit EFR3A expression using RNA interference
Other Notes	Small volumes of EFR3A 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 EFR3A. It may not necessarily be applicable to this product.

NCBI GI #	154146218
NCBI GeneID	23167
NCBI Accession #	NP_055952.2
UniProt Primary Accession #	Q14156
UniProt Secondary Accession #	Q2VPK2; Q63HL7; Q68DX1; Q6IQ18; A7MD19
UniProt Related Accession #	Q14156
GenBank Nucleotide #	NM_015137.4
NCBI Official Full Name	protein EFR3 homolog A
NCBI Official Synonym Full Names	EFR3 homolog A
NCBI Official Symbol	EFR3A
UniProt Protein Name	Protein EFR3 homolog A
UniProt Synonym Protein Names	Protein EFR3-like
Protein Family	Protein
UniProt Gene Name	EFR3A
UniProt Synonym Gene Names	KIAA0143
UniProt Entry Name	EFR3A_HUMAN
NCBI Protein Information	protein EFR3 homolog A
NCBI Summary for EFR3A	This gene encodes a membrane protein. Studies with orthologous gene in mouse show that it is differentially expressed in the auditory brainstem neurons of mice with hearing deficit, compared to mice with normal hearing ability, suggesting a role for this gene in hearing. [provided by RefSeq, Jan 2011]
UniProt Comments for EFR3A	EFR3A: a membrane protein. Studies with orthologous gene in mouse show that it is differentially expressed in the auditory brainstem neurons of mice with hearing deficit, compared to mice with normal hearing ability, suggesting a role for this gene in hearing. [provided by RefSeq, Jan 2011] Protein type: Unknown function Chromosomal Location of Human Ortholog: 8q24.22 Cellular Component: plasma membrane; intracellular
Research Articles on EFR3A	**1.** These data suggest that mammalian Efr3s contribute to the control of the phosphorylation state and, hence, desensitization of AT1a receptors, and could affect responsiveness of G-protein-coupled receptors in higher eukaryotes.
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