FAIM3 siRNA – Fas Apoptotic Inhibitory Molecule 3 (Mouse)

PRODUCT OVERVIEW

Product Name	FAIM3, siRNA
Full Product Name	FAIM3 siRNA (Mouse)
Product Gene Name	FAIM3 sirna
Product Synonym Names	TOSO; Fas apoptotic inhibitory molecule 3; Regulator of Fas-induced apoptosis Toso
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	FAIM3 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	47,471 Da
3D Structure	ModBase 3D Structure for A1KXC4
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 FAIM3 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 FAIM3 sirna	RNA Interference (RNAi)
Related Product Information for FAIM3 sirna	MBS8221476 is an siRNA targeting FAIM3. Also known as FAIM3 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit FAIM3 expression using RNA interference
Other Notes	Small volumes of FAIM3 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 FAIM3. It may not necessarily be applicable to this product.

NCBI GI #	62460639

NCBI GeneID	69169
NCBI Accession #	NP_081252.1
UniProt Primary Accession #	A1KXC4
UniProt Secondary Accession #	Q148B9; Q9D8T1; A1KXC6; A1KXC8; A1KXC9
UniProt Related Accession #	A1KXC4
GenBank Nucleotide #	NM_026976.2
NCBI Official Full Name	fas apoptotic inhibitory molecule 3
NCBI Official Synonym Full Names	Fc fragment of IgM receptor
NCBI Official Symbol	Fcmr
NCBI Official Synonym Symbols	Toso; Faim3; FcmuR; 1810037B05Rik
UniProt Protein Name	Fas apoptotic inhibitory molecule 3
UniProt Synonym Protein Names	Regulator of Fas-induced apoptosis Toso
UniProt Gene Name	Faim3
UniProt Synonym Gene Names	Toso
UniProt Entry Name	FAIM3_MOUSE
NCBI Protein Information	fas apoptotic inhibitory molecule 3
UniProt Comments for FAIM3	FAIM3: May play a role in the immune system processes. Protects cells from FAS-, TNF alpha- and FADD-induced apoptosis without increasing expression of the inhibitors of apoptosis BCL2 and BCLXL. Seems to activate an inhibitory pathway that prevents CASP8 activation following FAS stimulation, rather than blocking apoptotic signals downstream. May inhibit FAS-induced apoptosis by preventing CASP8 processing through CFLAR up-regulation. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Membrane protein, integral Cellular Component: membrane; integral to membrane Biological Process: immune system process
Research Articles on FAIM3	**1.** Toso has an essential role in the differentiation and maturation of iDCs, a process that is required for the control of persistence-prone virus infection.
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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