FBXO16 siRNA – F-Box Only Protein 16 Isoform 2 (Human)

PRODUCT OVERVIEW

Product Name	FBXO16, siRNA
Full Product Name	FBXO16 siRNA (Human)
Product Gene Name	FBXO16 sirna
Product Synonym Names	FBX16; F-box only protein 16
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	FBXO16 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	33,102 Da
OMIM	608519
3D Structure	ModBase 3D Structure for Q8IX29
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 FBXO16 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 FBXO16 sirna	RNA Interference (RNAi)
Related Product Information for FBXO16 sirna	MBS8241192 is an siRNA targeting FBXO16. Also known as FBXO16 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit FBXO16 expression using RNA interference
Other Notes	Small volumes of FBXO16 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 FBXO16. It may not necessarily be applicable to this product.

NCBI GI #	384551665
NCBI GeneID	157574
NCBI Accession #	NP_001245140.1
UniProt Primary Accession #	Q8IX29
UniProt Secondary Accession #	Q3T1B2; Q3T1B3; Q3T1B4
UniProt Related Accession #	Q8IX29
GenBank Nucleotide #	NM_001258211.1
NCBI Official Full Name	F-box only protein 16 isoform 2
NCBI Official Synonym Full Names	F-box protein 16
NCBI Official Symbol	FBXO16
NCBI Official Synonym Symbols	FBX16
UniProt Protein Name	F-box only protein 16
Protein Family	F-box only protein
UniProt Gene Name	FBXO16
UniProt Synonym Gene Names	FBX16
UniProt Entry Name	FBX16_HUMAN
NCBI Protein Information	F-box only protein 16
NCBI Summary for FBXO16	This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbx class. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
UniProt Comments for FBXO16	FBXO16: Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. Protein type: Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 8p21.1
Research Articles on FBXO16	**1.** FBXO16 was localized to the human chromosome 8p12. The FBXO16 gene consisted of 9 exons that spanned 67,816 bp of human genomic DNA
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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