FBXO33 siRNA – F-Box Only Protein 33 (Human)

PRODUCT OVERVIEW

Product Name	FBXO33, siRNA
Full Product Name	FBXO33 siRNA (Human)
Product Gene Name	FBXO33 sirna
Product Synonym Names	FBX33; F-box only protein 33
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	FBXO33 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	62,630 Da
OMIM	609103
3D Structure	ModBase 3D Structure for Q7Z6M2
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 FBXO33 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 FBXO33 sirna	RNA Interference (RNAi)
Related Product Information for FBXO33 sirna	MBS8224186 is an siRNA targeting FBXO33. Also known as FBXO33 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit FBXO33 expression using RNA interference
Other Notes	Small volumes of FBXO33 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 FBXO33. It may not necessarily be applicable to this product.

NCBI GI #	42558258
NCBI GeneID	254170
NCBI Accession #	NP_976046.1
UniProt Primary Accession #	Q7Z6M2
UniProt Secondary Accession #	Q6PIR2; Q86TR2; Q86YE0
UniProt Related Accession #	Q7Z6M2
GenBank Nucleotide #	NM_203301.3
NCBI Official Full Name	F-box only protein 33
NCBI Official Synonym Full Names	F-box protein 33
NCBI Official Symbol	FBXO33
NCBI Official Synonym Symbols	Fbx33; BMND12; c14_5247
UniProt Protein Name	F-box only protein 33
Protein Family	F-box only protein
UniProt Gene Name	FBXO33
UniProt Synonym Gene Names	FBX33
UniProt Entry Name	FBX33_HUMAN
NCBI Protein Information	F-box only protein 33
NCBI Summary for FBXO33	This locus represents an member of the F-box gene family. The encoded protein contains an F-box motif and a domain that might form a structure similar to a leucine-rich repeat found in placental RNAse inhibitor. This locus may be associated with copy number variation of UGT2B17 (GeneID 7367), which has been associated with susceptibility to osteoporosis.[provided by RefSeq, Sep 2010]
UniProt Comments for FBXO33	FBXO33: Substrate recognition component of a (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins. Recognizes YBX1. Chromosomal Location of Human Ortholog: 14q21.1 Molecular Function: protein binding Biological Process: protein ubiquitination Disease: Bone Mineral Density Quantitative Trait Locus 12
Research Articles on FBXO33	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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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