UBE2D4 siRNA – Ubiquitin-Conjugating Enzyme E2 D4 (Human)

PRODUCT OVERVIEW

Product Name	UBE2D4, siRNA
Full Product Name	UBE2D4 siRNA (Human)
Product Gene Name	UBE2D4 sirna
Product Synonym Names	UBCH5D; Ubiquitin-conjugating enzyme E2 D4; HBUCE1; Ubiquitin carrier protein D4; Ubiquitin-protein ligase D4
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	UBE2D4 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	16,649 Da
3D Structure	ModBase 3D Structure for Q9Y2X8
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 UBE2D4 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 UBE2D4 sirna	RNA Interference (RNAi)
Related Product Information for UBE2D4 sirna	MBS8218379 is an siRNA targeting UBE2D4. Also known as UBE2D4 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit UBE2D4 expression using RNA interference
Other Notes	Small volumes of UBE2D4 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 UBE2D4. It may not necessarily be applicable to this product.

NCBI GI #	8393719

NCBI GeneID	51619
NCBI Accession #	NP_057067.1
UniProt Primary Accession #	Q9Y2X8
UniProt Secondary Accession #	A4D1V0
UniProt Related Accession #	Q9Y2X8
GenBank Nucleotide #	NM_015983.3
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 D4
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2D 4 (putative)
NCBI Official Symbol	UBE2D4
NCBI Official Synonym Symbols	HBUCE1
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 D4
UniProt Synonym Protein Names	HBUCE1; Ubiquitin carrier protein D4; Ubiquitin-protein ligase D4
Protein Family	Ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2D4
UniProt Synonym Gene Names	UBCH5D
UniProt Entry Name	UB2D4_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 D4
UniProt Comments for UBE2D4	UBE2D4: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11' and 'Lys-48'-linked polyubiquitination. Belongs to the ubiquitin-conjugating enzyme family. Protein type: Ubiquitin ligase; Ubiquitin conjugating system; Ligase; EC 6.3.2.19 Chromosomal Location of Human Ortholog: 7p13 Molecular Function: protein binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: protein ubiquitination
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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