UBL3 siRNA – Ubiquitin-Like Protein 3 (Human)

PRODUCT OVERVIEW

Product Name	UBL3, siRNA
Full Product Name	UBL3 siRNA (Human)
Product Gene Name	UBL3 sirna
Product Synonym Names	PNSC1; Ubiquitin-like protein 3; Membrane-anchored ubiquitin-fold protein; HsMUB; MUB; Protein HCG-1
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	UBL3 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	13,157 Da
OMIM	604711
3D Structure	ModBase 3D Structure for O95164
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 UBL3 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 UBL3 sirna	RNA Interference (RNAi)
Related Product Information for UBL3 sirna	MBS8239130 is an siRNA targeting UBL3. Also known as UBL3 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit UBL3 expression using RNA interference
Other Notes	Small volumes of UBL3 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 UBL3. It may not necessarily be applicable to this product.

NCBI GI #	6005928
NCBI GeneID	5412
NCBI Accession #	NP_009037.1
UniProt Primary Accession #	O95164
UniProt Secondary Accession #	Q5RL72; Q5VZS0; Q6FIG8; Q96SG7; B2R4J1
UniProt Related Accession #	O95164
GenBank Nucleotide #	NM_007106.3
NCBI Official Full Name	ubiquitin-like protein 3
NCBI Official Synonym Full Names	ubiquitin-like 3
NCBI Official Symbol	UBL3
NCBI Official Synonym Symbols	HCG-1; PNSC1
UniProt Protein Name	Ubiquitin-like protein 3
UniProt Synonym Protein Names	Membrane-anchored ubiquitin-fold protein; HsMUB; MUB; Protein HCG-1
Protein Family	Ubiquitin-like protein
UniProt Gene Name	UBL3
UniProt Synonym Gene Names	PNSC1; HsMUB; MUB
UniProt Entry Name	UBL3_HUMAN
NCBI Protein Information	ubiquitin-like protein 3
UniProt Comments for UBL3	UBL3: Protein type: Ubiquitin-like modifier Chromosomal Location of Human Ortholog: 13q12-q13 Cellular Component: plasma membrane; intracellular
Research Articles on UBL3	**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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