B3GNTL1 siRNA – UDP-Glcnac:betagal Beta-1,3-N-Acetylglucosaminyltransferase-Like Protein 1 (Rat)

PRODUCT OVERVIEW

Product Name	B3GNTL1, siRNA
Full Product Name	B3GNTL1 siRNA (Rat)
Product Gene Name	B3GNTL1 sirna
Product Synonym Names	UDP-GlcNAc:betaGal beta-1.3-N-acetylglucosaminyltransferase-like protein 1; BGnT-like protein 1; Beta1.3-N-acetylglucosaminyltransferase-like protein 1; Beta3Gn-T-like protein 1; Beta3GnTL1
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	B3GNTL1 siRNA (Rat) 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	43,393 Da
3D Structure	ModBase 3D Structure for Q6GV29
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 rat B3GNTL1 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 B3GNTL1 sirna	RNA Interference (RNAi)
Related Product Information for B3GNTL1 sirna	MBS8227308 is an siRNA targeting B3GNTL1. Also known as B3GNTL1 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit B3GNTL1 expression using RNA interference
Other Notes	Small volumes of B3GNTL1 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 B3GNTL1. It may not necessarily be applicable to this product.

NCBI GI #	62543559
NCBI GeneID	367384
NCBI Accession #	NP_001015035.1
UniProt Primary Accession #	Q6GV29
UniProt Secondary Accession #	Q2NKP4
UniProt Related Accession #	Q6GV29
GenBank Nucleotide #	NM_001015035.1
NCBI Official Full Name	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1
NCBI Official Synonym Full Names	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1
NCBI Official Symbol	B3gntl1
UniProt Protein Name	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1
Protein Family	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein
UniProt Gene Name	B3gntl1
UniProt Synonym Gene Names	BGnT-like protein 1; Beta1,3-N-acetylglucosaminyltransferase-like protein 1; Beta3Gn-T-like protein 1; Beta3GnTL1
UniProt Entry Name	B3GNL_RAT
NCBI Protein Information	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1
UniProt Comments for B3GNTL1	B3GNTL1: Putative glycosyltransferase (Potential). Belongs to the glycosyltransferase 2 family. Protein type: EC 2.4.1.-; Transferase Molecular Function: transferase activity, transferring glycosyl groups Biological Process: metabolic process
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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