

GUCY1B2 siRNA

Catalogue No.: abx918937

siRNA to inhibit GUCY1B2 expression using RNA interference.

This product is provided as two 5 nmol vials (10 nmol), three 5 nmol vials (15 nmol) or 2x three 5 nmol vials (30 nmol) of lyophilized siRNA oligo duplexes. Each vial contains slightly different sequences to ensure full knockout of the gene. 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. The siRNA oligos are also chemically modified (2'-OMe) for increased stability and enhanced knockdown in vitro and in vivo.

Target:	GUCY1B2
Reactivity:	Rat
Host:	Synthetic
Tested Applications:	RNAi
Purity:	> 97%
Form:	Lyophilized
Specificity:	GUCY1B2 siRNA (Rat) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Storage:	Shipped at 4 °C. Store at -20 °C for up to one year.
Swiss Prot:	P22717
GeneID:	25206
Gene Symbol:	GUCY1B2
Directions for use:	<ol style="list-style-type: none">1. Transfect with 100 nM siRNA 48 to 72 hours prior to cell lysis.2. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube.3. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. Each vial is suitable for 250 transfections in a 24 well plate (20 pmol for each well).
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.

Note: This product is for research use only.