Product Data Sheet

mmu-miR-409-3p miRNA Agomir

Catalog #	Source	Reactivity	Applications
CMN0207	Synthetic	M	

Description

Synthetic miRNA Agomir is used to regulate the expression of target mmu-miR-409-3p mRNA.

Specificity

Agomir is chemically-modified double-strand miRNA mimics which can mimic mature endogenous miRNAs after transfection into cells.   They can up-regulate the endogenous miRNA activity by utilizing the natural miRNA machinery.   Our miRNA agomir is designed to mimic mature miRNAs, and chemically modified to increase their stability and activity.

Form

Lyophilized powder

Gene Symbol

mmu-miR-409-3p

Accession No.

MIMAT0001090

Components

This synthetic miRNA is based on the mature miRNA sequence. The antisense strand of the agomir has 2 phosphorothioates at the 5' end, 4 phosphorothioates, 1 cholesterol group at the 3' end, and full-length nucleotide 2'-methoxy modification. It exhibits enhanced cellular uptake, stability and regulatory activity in vivo.

Directions for Use

Briefly centrifuge tubes containing miRNA agomir to ensure that the miRNA pellet is located at the bottom of the tube. Dissolve miRNA agomir to a convenient stock concentration using the recommended volume of DEPC H2O (or RNase-free water). For example: dissolve 5 nmol miRNA agomir to 20 μM using 250 μl DEPC H2O (or RNase-free water). Pipette the solution up and down 3-5 times (or vortex briefly). Briefly centrifuge tubes containing miRNA agomir to ensure that the solution is collected at the bottom of the tube. Aliquot the miRNA agomir into small volumes

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and store at ≤ -20°C. miRNA agomir is stable (for 6 months under the specified storage condition). For best results, use in 3 months and limit freeze-thaw events for each tube no more than five times.

Storage/Stability   Shipped at 4 °C. Store at -20 °C for one year. Avoid freeze-thaw cycles after reconstitution.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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