Antisense LNA GapmeR Controls

Negative control B Product Data Sheet

Cat. no. 339515 and 339516 LG00000001

Positive and Negative Controls for use with Antisense LNA GapmeRs

Catalog number suffix	Backbone type / Purification method	Sample quantity	Modification
DDB	PS standard desalted	5 nmol	5'-FAM
DDC	PS standard desalted	5 nmol	3'-FAM
DFB	PS standard desalted	15 nmol	5'-FAM
DFC	PS standard desalted	15 nmol	3'-FAM
EDB	PS HPLC	5 nmol	5'-FAM
EDC	PS HPLC	5 nmol	3'-FAM
EFB	PS HPLC	15 nmol	5'-FAM
EFC	PS HPLC	15 nmol	3'-FAM
FDB	PS HPLC - Na+	5 nmol	5'-FAM
FDC	PS HPLC - Na+	5 nmol	3'-FAM
FFB	PS HPLC - Na+	15 nmol	5'-FAM
FFC	PS HPLC - Na+	15 nmol	3'-FAM

Description

Antisense LNA GapmeRs are highly potent, single-stranded antisense oligonucleotides (ASO) for silencing of lncRNA and mRNA in cell cultures and even in animal models. Antisense LNA GapmeR Positive Controls enable optimization of conditions for lipid-based transfection, electroporation or unassisted delivery. The GapmeRs are enhanced with LNA technology and are designed using sophisticated and empirically developed algorithms and offer excellent performance and high success rates.
For further details, consult the *Antisense LNA® GapmeRs Handbook*.

Kit Contents

Catalog Number	Contents
339515	5 nmol oligonucleotide, dried down in tube format
339516	15 nmol oligonucleotide, dried down in tube format

Ordering Information

Product	Contents	Cat. no.
Antisense LNA GapmeR Standard (5 nmol)	5 nmol oligonucleotide, dried down in tube format; in vitro screening grade	339511
Antisense LNA GapmeR Standard (15 nmol)	15 nmol oligonucleotide, dried down in tube format; in vitro screening grade	339512
Antisense LNA GapmeR Premium (5 nmol)	5 nmol oligonucleotide, dried down in tube format; premium cell-culture grade	33951
Antisense LNA GapmeR Premium (15 nmol)	15 nmol oligonucleotide, dried down in tube format; premium cell-culture grade	339518*
Antisense LNA GapmeR in vivo Ready (5 nmol)	5 nmol oligonucleotide, dried down in tube format; in vivo ready grade	339523
Antisense LNA GapmeR in vivo Ready (15 nmol)	15 nmol oligonucleotide, dried down in tube format; in vivo ready grade	339524
Antisense LNA GapmeR in vivo Large Scale	Varies from 5 mg 1 kg oligonucleotide; option of grades	339532
Antisense LNA GapmeR Controls (5 nmol)	5 nmol oligonucleotide, dried down in tube format; in vitro screening grade	339515
Antisense LNA GapmeR Controls (15 nmol)	15 nmol oligonucleotide, dried down in tube format; in vitro screening grade	339516
Antisense LNA GapmeR, custom plate (1 nmol)	1 nmol oligonucleotide, dried down in 96-well plate; option of grades	339529
Antisense LNA GapmeR, custom plate (5 nmol)	5 nmol oligonucleotide, dried down in 96-well plate; option of grades	339530*
Antisense LNA GapmeR, custom plate (15 nmol)	15 nmol oligonucleotide, dried down in 96-well plate; option of grades	339531*

Related Products

miRCURY LNA miRNA Inhibitor (5 nmol)	5 nmol oligonucleotide, dried down in tube format; no label or 5' or 3' FAM; normal phosphodiester bonds	339121
miRCURY LNA miRNA Power Inhibitor (5 nmol)	5 nmol oligonucleotide, dried down in tube format; no label or 5' or 3' FAM; phosphorothioate-modified backbone	339131
miRCURY LNA miRNA Family Power Inhibitor	5 nmol oligonucleotide set, dried down in tube format; no label; phosphorothioate- modified backbone	339160
miRCURY LNA miRNA Power Target Site Blocker (5 nmol)	5 nmol oligonucleotide, dried down in tube format; no label; phosphorothioate- modified backbone	339194
miRCURY LNA miRNA Power Target Site Blocker, in vivo ready (5 nmol)	5 nmol oligonucleotide, dried down in tube format; no label; phosphorothioate- modified backbone	339199
miRCURY LNA miRNA PCR Assay	LNA-optimized PCR assay for miRNA quantification; for 200 reactions	339306
miRCURY LNA miRNA Custom PCR Assay	Custom-designed and LNA-optimized PCR assay for miRNA quantification; for 200 reactions	339317
miRCURY LNA RT Kit	5x RT Reaction Buffer, 10x RT Enzyme Mix, UniSp6, RNA Spike-in template, RNase-free water; for 8 64 reactions	339340
miRCURY LNA miRNA PCR Starter Kit	2 miRCURY LNA PCR Assays of your choice, UniSp6 Spike-in control assay, miR-103-3p endogenous control assay, 5x RT Reaction Buffer, 10x RT Enzyme Mix, UniSp6 RNA Spike-in template, RNase- free water, 2x miRCURY SYBR Green Master Mix; for 20 RT reactions and 100 PCR amplifications	339320
miRCURY LNA SYBR Green PCR Kit (200)	2x miRCURY SYBR Green PCR Master Mix, miRCURY SYBR Green PCR Buffer and dNTP mix (dATP, dCTP, dGTP, dTTP), ROX Reference Dye, Nuclease-free Water; for 200 reactions	339345

Shipping and storage

Antisense LNA GapmeRs are shipped dried-down at room temperature. Unopened vials should be stored at 15 to 30°C or below. Fluorescence-labeled oligonucleotides should be protected from light to avoid bleaching. When stored in this manner, they will remain stable at least 6 months after the shipping date. Exposure to higher ambient temperatures during shipment does not pose any risk to the stability of the oligonucleotides.

Oligonucleotides are degraded by repeated freeze-thaw cycles, especially when in solution. It is recommended to aliquot and store the GapmeRs at 15 to 30°C or below in a constant- temperature freezer after re-suspension to avoid repeated freeze-thaw cycles. Do not store in frost-free freezers with automatic thaw-freeze cycles.

Intended Use

Antisense LNA GapmeRs are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.
All due care and attention should be exercised in the handling of the product. We recommend all users of QIAGEN® products to adhere to the NIH guidelines that have been developed for recombinant DNA experiments, or to other applicable guidelines.

Quality Control

In accordance with QIAGEN's ISO-certified Quality Management System, each lot of Antisense LNA GapmeRs is tested against predetermined specifications to ensure consistent product quality.

Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at www.qiagen.com/safety where you can find, view and print the SDS for each QIAGEN kit and kit component.

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