

DATA SHEET
Hsa-miR-541 fluoresceinated oligo probe

Catalog No.
HM541-100

Description
One vial of 0.650 ml of probe in hybridization buffer

Analyte Specific Reagent. Analytical and performance characteristics are not established.

Doc. No. 932-HM541-100

Rev. C

Date of release: 02-Aug-2024

Description

The Hsa-miR-541 probe has been designed from mature human miR-541 sequence. This fluoresceinated probe is provided in a hybridization buffer for localization of miRNA in FFPE tissue by *In Situ* hybridization.

Specifications

The Hsa-miR-541 identifies mature miR-541 sequences in formalin-fixed, paraffin-embedded human tissues and/or freshly prepared frozen tissues by *in situ* hybridization. This probe does not react with normal human mRNA or nuclear DNA present in tissues.

Storage and Handling

Store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. The reagent must be brought to room temperature before use. (Important! The presence of precipitates induces background staining).

Precautions:

For professional use. The probe contains formamide. Formamide is classified as a teratogen. Pregnant workers should keep exposure to a minimum. Avoid inhalation, ingestion, and contact with unprotected skin. If skin contact occurs, wash thoroughly with soap and water. For more information, refer to the Material Safety Data Sheet, which is available upon request.

Quality Control

Each lot of this miRNA probe is tested by *In Situ* hybridization for Quality Control purposes. Refer to the BioGenex Quality Control Testing Conditions table for additional information.

References

1. M. V. Joglekar, V. S. Parekh, and A. A. Hardikar, (2007) "New pancreas from old: microregulators of pancreas regeneration," *Trends in Endocrinology and Metabolism*, vol. 18, no. 10, pp. 393–400, 2007
2. M. V. Joglekar, V. S. Parekh, S. Mehta, R. R. Bhonde, and A. A. Hardikar, (2007) "MicroRNA profiling of developing and regenerating pancreas reveal post-transcriptional regulation of neurogenin3," *Developmental Biology*, vol. 311, no. 2, pp. 603–612, 2007
3. Eguchi T, Watanabe K, Hara ES, Ono M, Kuboki T, Calderwood SK. OstemiR: a novel panel of microRNA biomarkers in osteoblastic and osteocytic differentiation from mesenchymal stem cells. *PLoS One*. 2013;8(3):e58796.
4. Hrdličková R, Nehyba J, Bargmann W, Bose HR Jr (2014) Multiple tumor suppressor microRNAs regulate telomerase and TCF7, an important transcriptional regulator of the Wnt pathway. *PLoS One*. 2014 Feb 14;9(2):e86990

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	Pancreas (FB-HM541)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues