

DATA SHEET
Hsa-miR-573 fluoresceinated oligo probe

Catalog No.
HM573-100

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-HM573-100

Rev. C

Date of release: 02-Aug-2024

Description

The Hsa-miR-573 probe has been designed from mature human miR-573 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-573 identifies mature miR-573 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 micro RNA 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. Yan W, Cao QJ, Arenas RB, Bentley B, Shao R. GATA3 inhibits breast cancer metastasis through the reversal of epithelial-mesenchymal transition. *The Journal of biological chemistry*. 2010; 285:14042–14051.
2. Wang L, Song G, Tan W, Qi M, Zhang L, Chan J, Yu J, Han J, Han B. miR-573 inhibits prostate cancer metastasis by regulating epithelial-mesenchymal transition. *Oncotarget*. 2015 Nov 3;6(34):35978-90
3. Wang HF, Chen H, Ma MW, Wang JA, Tang TT, Ni LS, Yu JL, Li YZ, Bai BX. miR-573 regulates melanoma progression by targeting the melanoma cell adhesion molecule. *Oncol Rep*. 2013 Jul;30(1):520-6.
4. Hu YW, Chen ZP, Hu XM, Zhao JY, Huang JL, Ma X, Li SF, Qiu YR, Wu XJ, Sha YH, Gao JJ, Wang YC, Zheng L, Wang Q. The miR-573/apoM/Bcl2A1-dependent signal transduction pathway is essential for hepatocyte apoptosis and hepatocarcinogenesis. *Apoptosis*. 2015 Oct;20(10):1321-37

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	Skin (FB-HM573)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues