

**DATA SHEET**  
**Hsa-miR-510 fluoresceinated oligo probe**

**Catalog No.**  
**HM510-100**

**Description**  
One vial of 0.650 ml of probe in hybridization buffer

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

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Doc. No. 932-HM510-100

Rev. C

Date of release: 02-Aug-2024

**Description**

The Hsa-miR-510 probe has been designed from mature human miR-510 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-510 identifies mature miR-510 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. Guo QJ, Mills JN, Bandurraga SG, Nogueira LM, Mason NJ, Camp ER, Larue AC, Turner DP, Findlay VJ (2013). MicroRNA-510 promotes cell and tumor growth by targeting peroxiredoxin1 in breast cancer. *Breast Cancer Res.*;15(4):R70.
2. Pawel Gaj<sup>1</sup> and Radoslaw Zagozdzon (2014). *In silico* analysis of microRNA-510 as a potential oncomir in human breast cancer. *Breast Cancer Res.*; 16(2): 403.

**BioGenex Quality Control Testing Conditions**

Parameter	Conditions used
Control Tissue	Thyroid (FB-HM510)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues