

DATA SHEET

Hsa-miR-205Probe

Catalog No.
HM205-100

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-HM205-100 Rev : D

Date of release: 14-Aug-2020

Description

The Hsa-miR-205 probe has been designed from mature human miR-205 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-205 identifies mature miR-205 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

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4. Song R. et al. (2010). *In situ* hybridization detection of microRNAs. **Methods Mol Biol.** 629, 287-94.
5. Hailong Wu, Shoumin Zhu, Yin-Yuan Mo. Suppression of cell growth and invasion by *miR-205* in breast cancer. *Cell Research* (2009) 19:439-448.

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6. Volinia S, Calin GA, Liu CG, *et al.* A microRNA expression signature of human solid tumors defines cancer gene targets. *ProcNatlAcadSci USA* 2006; 103:2257-2261.
7. Gottardo F, Liu CG, Ferracin M, *et al.* Micro-RNA profiling in kidney and bladder cancers. *UrolOncol*2007; 25:387-392.
8. Tran N, McLean T, Zhang X, *et al.* MicroRNA expression profiles in head and neck cancer cell lines. *BiochemBiophys Res Commun*2007; 358:12-17.
9. Iorio MV, Visone R, Di Leva G, *et al.* MicroRNA signatures in human ovarian cancer. *Cancer Res* 2007; 67:8699-8707.
10. Yanaihara N, Caplen N, Bowman E, *et al.* Unique microRNA molecular profiles in lung cancer diagnosis and prognosis. *Cancer Cell* 2006; 9:189-198.

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	LYMPHNODE, TESTIS (FB-HM205).
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues