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# DATA SHEET
# Hsa-miR-154 fluoresceinated oligo probe

| Catalog No. | Description |
|---|---|
| **HM154-100** | One vial of 0.650 ml of probe in hybridization buffer |

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

Doc. No. 932-HM154-100
Rev. B
Date of release: 13-Aug-2020

## Description
The Hsa-miR-154 probe has been designed from mature human miR-154 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-154 identifies mature miR-154 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 microRNA 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. Tang R and Zen Ke. (2011). Gold glitters everywhere: nucleus microRNAs and their functions. *Front Biol*, 6 (1), 69-75.
2. Lin X, Yang Z, Zhang P, Shao G.(2015). miR-154 suppresses non-small cell lung cancer growth in vitro and in vivo. Oncol Rep. 33(6):3053-60.
3. Zhu C, Shao P, Bao M, Li P, Zhou H, Cai H, Cao Q, Tao L, Meng X, Ju X, Qin C, Li J, Yin C. (2014). miR-154 inhibits prostate cancer cell proliferation by targeting CCND2. Urol Oncol. 32(1):31.e9-16.
4. Kai Y, Qiang C, Xinxin P, Miaomiao Z, Kuailu L. (2015) Decreased miR-154 expression and its clinical significance in human colorectal cancer. World J Surg Oncol. 13:195

### BioGenex Quality Control Testing Conditions

| Parameter | Conditions used |
|---|---|
| Control Tissue | Lung (FB-HM154) |
| Tissue Type | Formalin-fixed, paraffin-embedded cancer tissues |