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DATA SHEET
Hsa-miR-376c fluoresceinated oligo probe

Catalog No.	Description
HM376c-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-HM376c-100

Rev. B

Date of release: 17-Aug-2020

Description
The Hsa-miR-376c probe has been designed from mature human miR-376c 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-376c identifies mature miR-376c 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. Li, Z., Lu, J., Sun, M., Mi, S., Zhang, H., Luo, R. T., Chen, P., Wang, Y., Yan, M., Qian, Z. et al. (2008). Distinct microRNA expression profiles in acute myeloid leukemia with common translocations. *Proc. Natl. Acad. Sci. USA* 105, 15535-15540
2. Kawahara, Y., Zinshteyn, B., Sethupathy, P., Iizasa, H., Hatzigeorgiou, A. G. and Nishikura, K. (2007). Redirection of silencing targets by adenosine-to-inosine editing of miRNAs. *Science* 315, 1137-1140.
3. Ye G, Fu G, Cui S, Zhao S, Bernaudo S, Bai Y, Ding Y, Zhang Y, Yang BB, Peng C. MicroRNA 376c enhances ovarian cancer cell survival by targeting activin receptor-like kinase 7: implications for chemoresistance. J Cell Sci. 2011 Feb 1;124(Pt 3):359-68.
4. Jin Y, Peng D, Shen Y, Xu M, Liang Y, Xiao B, Lu J. MicroRNA-376c inhibits cell proliferation and invasion in osteosarcoma by targeting to transforming growth factor-alpha. DNA Cell Biol. 2013 Jun;32(6):302-9.
5. Liu J, Wang L, Su Z, Wu W, Cai X, Li D, Hou J, Pei D, Pan G. A reciprocal antagonism between miR-376c and TGF-β signaling regulates neural differentiation of human pluripotent stem cells. FASEB J. 2014 Nov;28(11):4642-56.

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	Bone (FB-HM376C)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues