



Maxim Biotech, Inc.

Certificate of Analysis

Cat. No.: IH-60035 (TGB-6001-B)

Biotinylated Long DNA Probe for Human Trnasforming Growth Factor-Beta 1

8 µg / tube

Form: Liquid 8 µg biotin-labelled DNA in 100 µl ddH₂O

Tm: > 90 °C (Calculated according to the nearest neighborhood method)

Size: 324 bp. This biotin-conjugated probe was produced by PCR primers (Maxim's product Catalog # SP-10605) under PCR* conditions using Human cDNA and biotin-dUTPs & biotin-dATPs.

Purity: The biotin-conjugated probe was purified by cartridge and showed a single band on gel.

Storage and Stability: Recommend to store at -20 °C, stable for one year. It is stable for one month when store at 4 °C.

Use: The product is able to detect a fragment of **Human TGF-b1** in in-situ hybridization when used together with Maxim's in-situ hybridization /detection kit (IHD-0050 & IHD0052) and/or in Northern hybridization.

Sequences: (Alignment on database: Genbank, **HUMTGFB, M38449, X02812, J05114**)

References: Derynek R. et al. Nature 316: 701-705, 1985
Kim S.J. et al. J. Biol. Chem. 264: 19373-19378

Lot. No.: _____

Date of Production: _____

Operator: _____

PCR*: The Polymerase Chin Reaction (PCR) process is covered by patents owned by Hoffmann-La Roche. Use of the PCR Process requires a license. This product does not convey a license to use the PCR process.

Maxim Biotech Inc.

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