BIOSEARCH TECHNOLOGIES

PRODUCT INFORMATION SHEET

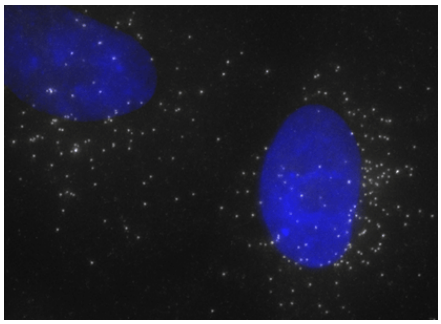
Base Catalog No.: SMF-2006-1

Stellaris® FISH Probes, Human TFRC with Quasar® 570 Dye

Human TFRC consists of a set of Quasar® 570-labeled oligos mixed at equal ratios and pooled into a final delivered amount of 1 nmol, which yields approximately 80 hybridizations under standard conditions. Designed to detect TFRC transcripts in Human specimens using fluorescence in situ hybridization (FISH).

Design Criteria: Product was designed against Human Transferrin receptor 1, TFRC, a.k.a. T9; TR; TFR; p90; CD71; TFR1; TRFR (NCBI gene ID: 7037), and the coding sequence of NM_003234.2 nts 284-2566.This is an inclusive probe set designed to also detect the following variant: NM_001128148.The probe set has not been tested for potential cross-hybridzation to RNA(s) of paralogous and orthologous gene(s) in the same or other species.

Representative image of human TFRC mRNAs detected with a Quasar 570 dye labeled probe set in A549 cells



Properties

Absorption Maximum (Lambda Max): 548 nm

Fluorescence Maximum: 566 nm

Product Usage

Additional Information: Please note that reconstituted probe mix should be subjected to a minimum number of freeze-thaw cycles. For daily and short-term use, the mix can be stored at +2 to +8 °C in the dark for up to a month.

For long-term use: We recommend freezing reconstituted probes in the dark at -15 to -30 °C for storage lasting longer than a month.

Protocols: Detailed protocols by sample type can be found here: https://www.biosearchtech.com/stellarisprotocols.

Storage & Handling

Storage Conditions: Stellaris FISH Probes are shipped dry and may be stored at +2 to +8ºC in this state.

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Trademarks
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Black Hole Quencher® (BHQ), CAL Fluor®, Quasar® and Pulsar® dyes (referred to collectively as “BTI Dyes”) are sold to the purchaser only for internal R&D use, and are not to be used for clinical or diagnostic purposes. Neither the BTI Dyes nor the compounds synthesized with them are to be re-packaged or re-sold. Separate licenses to the BTI Dyes may be available for applications other than the aforementioned internal R&D. Please inquire via info@biosearchtech.com.

Patents
The Black Hole Quencher dye technology is protected in the United States and other countries by U.S. patents and continuations numbered 7,019,129, 7,019,129B1, 7,109,312B2, 7,582,432, 8,410,255B2 and 8,440,399B2 issued to Biosearch Technologies, Inc. The CAL Fluor technology is covered by U.S. patent number 7,344,701B2. The Quasar technology is covered by U.S. Patent numbers 7,705,150B2, 7,868, 157B2 and 8,436,153B2. The Pulsar technology is covered by U.S. Patent numbers 7,635,762B2 and 8,119,781B2.

Supercolumns are protected by U.S. Patent 6,761,855 B1, "Column for solid phase processing" issued to Biosearch Technologies, Inc. Contact licensing@biosearchtech.com for more information. Supercolumns for use on ABI 3900 or equivalent rotary cartridge style shoulder mount design are also manufactured under license from McLuen Design, U.S. Patents 8,158,085 and 8,404,196.

Stellaris products are sold under license from Rutgers University and may be used under its patent rights for Research Use Only.

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