**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-hybridization 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 +8°C in this state.
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