EGR1 Hu-Cy5 SmartFlare™

RNA Detection Probe

Cat. # SF-2464

pack size: 50µL (250 rxns)

Store at 2-8°C,
after reconstitution store at 23-27°C
DO NOT FREEZE

FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.
NOT FOR HUMAN OR ANIMAL CONSUMPTION

Product Data Sheet

Validated Accession #: NM_001964.2 **Species: Hu** **Gene Aliases: TIS8; AT225; G0S30; NGFI-A; ZNF225; KROX-24; ZIF-268**

Confirmation of EGR1 SmartFlare Performance:

EGR1 SmartFlare probe has been tested in a buffer system to detect the release of the fluorophore in the presence of a complementary base pair sequence for each lot to confirm target specificity.

EGR1 SmartFlare probe has also been tested in a cell model system and demonstrated increased fluorescence in cells expressing the target compared to a scrambled negative control SmartFlare probe (Figure 1).

Mean Fluorescence Intensity (MFI) Values		
Unflared	Scrambled	EGR1
6.9029999999999996	16.527999999999999	67.4920000000000

Figure 1: EGR1 Mean Fluorescence Intensity (green) measured by flow cytometry in living HEK293 cells demonstrated a significant increase over unflared cells (blue) as well as scramble control (red). Data shown in graph is representative.

Storage and Handling:

Material has been 0.22µm filtered. Stable for 5 years at 2-8°C degrees in lyophilized format ONLY. Room temperature is required for reconstituted product.

Warning-after reconstitution product is sensitive to cold and hot temperatures, a stable room temperature of 23-27°C is required.

Handling Recommendations:

Reconstitute with sterile nuclease free water in a drop wise fashion and tap tube repeatedly to fully dissolve lyophilized material. Vortex for 5-10 sec.

Upon reconstitution, store at room temperature for up to 1 year protected from light. Product must be handled with gloves as product can be absorbed through the skin.

Recommended Cell Testing Protocol:

(example: 30,000 cells in a 200µL media volume within each well of a 96 well plate)

- Reconstitute reagent in 50µL of sterile nuclease free water.
- Create a working solution based on your experiment by diluting 1:20 in sterile PBS.
- Add 4µL directly to cells (at approx 80% confluency).
- Allow to incubate overnight for 16 hrs.
- Detect using fluorescence detection platform of choice.

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SPECIES LEGEND: **Hu** Human **Ms** Mouse **Rt** Rat **Rb** Rabbit **WR** Most Common Vertebrates **( )** Predicted Reactivity

Please visit www.millipore.com/SmartFlare for additional product information.

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