

**CTSA Hu-Cy5  
SmartFlare™  
RNA Detection Probe**

**Cat. # SF-2753**

**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**

page 1 of 1

**Validated Accession #: NM\_000308.2**

**Species: Hu**

**Gene Aliases: GSL; GLB2; NGBE;  
PPCA; PPGB**

**Confirmation of CTSA Hu-Cy5 SmartFlare Performance:**

CTSA Hu-Cy5 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.

CTSA Hu-Cy5 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	CTSA Hu-Cy5
8.119999999999992	38.439999999999998	415.5899999999999

**Figure 1:** CTSA Hu-Cy5 Mean Fluorescence Intensity (green) measured by flow cytometry in living THP-1 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.

Rev A/2014-05-07/SF-2753DSCA1WK



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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](http://www.millipore.com/SmartFlare) for additional product information.**

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