

NBN Hu-Cy3 SmartFlare™ RNA Detection Probe

Cat. # SF-1849

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

Accession #NM_002485.4

Species Hu

Gene Aliases: ATV; NBS; P95;
NBS1; AT-V1; AT-V2

Confirmation of NBN SmartFlare Performance:

NBN 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.

NBN 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 (Figure 1).

Mean Fluorescence Intensity (MFI) Values		
Unflared	Scrambled	NBN
10.85	69.29000000000006	147.65000000000001

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

Handling Recommendations:

Reconstitute with sterile nuclease free water in a drop wise fashion tap tube repeatedly to fully dissolve lyophilized material.

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

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.

EMD Millipore Corporation, 28820 Single Oak Drive, Temecula, CA 92590, USA 1-800-437-7500

Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures. Not for human or animal consumption. Purchase of this Product does not include any right to resell or transfer, either as a stand-alone product or as a component of another product. Any use of this Product for purposes other than research is strictly prohibited.

EMD Millipore, the M mark and SmartFlare are registered trademarks of Merck KGaA, Darmstadt, Germany.

© 2012 EMD Millipore Corporation, Billerica MA USA. All rights reserved.



We Buy 100% Certified Renewable Energy

Rev A | 2013-12-10 | SF-1849 DSCA | VK

