

SPECIFICATION SHEET

Product Name: Cas13 ssRNA Reporter (FAM/BHQ)**Catalog # CS13-57**

Product Description: Cas13 ssRNA reporter is a single-strand oligo RNA probe with a 6-FAM (Fluorescence) label at the 5' end and a BHQ (quencher) label at the 3' end. When combined with guide RNA and target RNA, Cas13, enzymes exhibit activated trans-cleavage activity against ssRNA. Upon cleavage, the quenched fluorescence of the probe recovers, enabling enzyme activity analysis and target detection.

Storage and Stability: Store at 15-30°C for transportation process up to ten days but long-term storage should be at -20°C. After reconstitution, aliquot product into smaller quantities to avoid repeated handling and multiple freeze/thaw cycles.

Appearance : White to off-white lyophilized powder in dark tube

Reconstitution Protocol : Rehydrate in 100µL nuclease-free water to make a stock solution with a concentration of 100µM. Prior to use, dilute the stock solution with nuclease-free water to a working concentration of 10µM, and add it to the CRISPR cleavage reaction system according to the required concentrations.

Recommendation : Always include RNase inhibitor at recommended concentrations in Cas enzyme reactions

Related Products This product can be used for experiments related to the following products:

Product Name	Catalog Number
LbuCas13a, Active	CS13A-E322U
LwCas13a, Active	CS13A-E321H