

SPECIFICATION SHEET

Product Name: Cas12 ssDNA Reporter (FAM/Biotin)**Catalog # CS12-58**

Product Description: A 5' FAM/3' Biotin dual-labeled ssDNA reporter designed for CRISPR-Cas12 nucleic acid detection. Activated Cas12 cleaves the reporter through collateral (trans) cleavage, separating the FAM and Biotin labels to generate a visual signal for lateral flow assay (LFA) 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.

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

Product Name	Catalog Number
AapCas12b, Active	C12B1-E311U
AsCas12a, Active	CS12A-E311H
Cas12 (LbCpf1), Active	C12CR-E241H
Cas12 (LbCpf1), Active	C12CR-E241G