

LZCap®AG(3'Acm) Firefly luc mRNA

Description: Firely Luciferase (Firefly luc), extracted from firefly *Photinus pyralis*, relies on ATP to oxidize D-luciferin to produce chemiluminescence at a wavelength of 560nm. Firefly luc is a commonly used bioluminescence reporter gene for gene regulation and functional studies. Firefly luc mRNA was synthesized by one-step transcriptional process with a linear DNA template, LZCap®AG(3'Acm) cap analog and T7 transcriptase. After entering cells, Firefly luc mRNA would express luciferase protein. Firefly luc mRNA stock solution is suitable for mRNA delivery, translation, transfection and *in vivo* imaging experiments.

mRNA Length: 2008 nucleotides (including cap structure)

Concentration: 1 µg/µL

Specifications: 100 µL, 1 mL

Buffer: RNase-free ultrapure water

Purity: HPLC ≥90%, 2% Agarose gel electrophoresis graph

Storage Conditions: store at -40°C or below

Transportation: Transported on dry ice, avoid repeated freezing and thawing.

