TriLink BIOTECHNOLOGIES

part of Maravai LifeSciences

CleanCap™ FLuc mRNA (5moU)

Firefly Luciferase mRNA(5-methoxyuridine)
Catalog # L-7202

The FLuc mRNA will express a luciferase protein, originally isoloated from the firefly, *Photinus pyralis*. Fluc is commonly used in mammalian cell culture to measure both gene expression and cell viability. It emits bioluminescence in the prescence of the substrate, luciferin. This mRNA is capped using CleanCap™, TriLink's proprietary co-transcriptional capping method, which results in the naturally occurring Cap 1 structure with high capping efficiency. It is polyadenylated, modified with 5-methoxyuridine and optimized for mammalian systems. It mimics a fully processed mature mRNA.

L-7202-100 (100 µgrams)
L-7202-1000 (1 mg)
L-7202-BK (Bulk amount)

1.0 mg/mL in 1mM Sodium Citrate (pH 6.4)
mRNA Length: 1929 nucleotides

Store at or below -40°C

QC Analysis

Identity and Purity
Agarose Gel Mobility; Pass
Concentration: ± 6%; Pass

Product released by Quality Assurance

[1]A standard conversion factor of 40 µg/OD_{260} was used to calculate quantity.

Handling

Store at or below -40°C. Thaw and work with FLuc mRNA on ice. Upon first use, pulse spin before opening and aliquot into single use portions. Do not vortex. Use only certified RNase-free reagents and consumables with proper RNase-free technique. Use of barrier tips is recommended. Avoid freeze/thaw cycles. Do not mix with media containing serum unless first complexed with a stabilizing transfection reagent.