

EGFP & HiExpress™

Luciferase IVT mRNA

VectorBuilder offers off-the-shelf and ready-to-use EGFP and luciferase mRNA for in vitro and in vivo experiments. Our mRNA quality and efficacy have been fully validated for high levels of reporter expression in both cell culture and animal models, thus, it can be used to assess the efficiency of mRNA delivery and expression or used as control for your mRNA experiment.

| Product | Nucleotide | Scale | Price(USD) |
|--|------------------|---------------------------|------------|
| EGFP IVT mRNA | Unmodified | 100 ug (1 ug/ul, 2x50 ul) | \$319 |
| | m1Ψ substitution | 100 ug (1 ug/ul, 2x50 ul) | \$399 |
| HiExpress™ Firefly Luciferase IVT mRNA | Unmodified | 100 ug (1 ug/ul, 2x50 ul) | \$359 |
| | m1Ψ substitution | 100 ug (1 ug/ul, 2x50 ul) | \$449 |

Highlights:

- Codon optimized HiExpress™ Firefly Luciferase mRNA for achieving robust expression
- mRNA produced with Cap 1, validated 5' & 3' UTRs, and a 110-bp poly A tail

- Comparison of EGFP fluorescence in HeLa cells transfected with mRNA produced with or without m1Ψ
- Comparison of Luciferase activity in HEK-293T cells transfected with different codon optimized luciferase mRNA
- Luciferase activity measured in C57BL/6 mice injected intramuscularly with LNP encapsulated mRNA coding for different luciferase constructs

