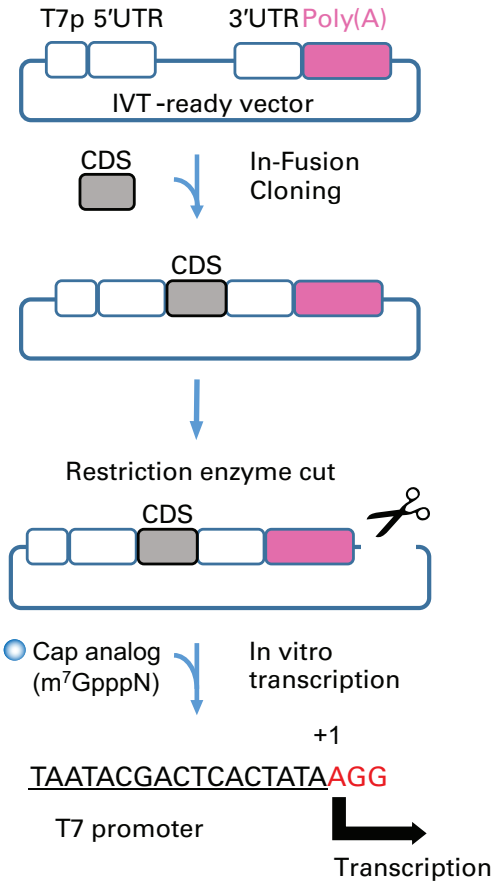
Takara IVTpro™ mRNA Synthesis System

High-yield in vitro transcription

- Generate more capped mRNA than competitor kits (up to 200 µg/rxn; cap analog not included)
- Streamline your in vitro transcription (IVT) workflow with an all-in-one system
- Leverage the flexibility to pair with a wide variety of capping systems, including CleanCap and Vaccinia Capping Enzyme



Cloning Kit for mRNA Template (Cat. # 6143)

- Convenient IVT-ready vector
- Highly accurate In-Fusion® Cloning technology
- FLuc control fragment included as assay control

Takara IVTpro T7 mRNA Synthesis Kit (Cat. # 6144)

- CleanCap AG (TriLink BioTechnologies) compatible
- High-efficiency T7 RNA polymerase
- Convenient DNase I digestion
- Simple LiCl purification

Figure 1. The Takara IVTpro mRNA Synthesis System (Cat. # 6141) consists of the Cloning Kit for mRNA Template (Cat. # 6143) and the Takara IVTpro T7 mRNA Synthesis Kit (Cat. # 6144). T7p: T7 promoter; UTR: untranslated region; Poly(A): Poly(A) sequence; CDS: coding sequence.

Maximize production of high-quality mRNA

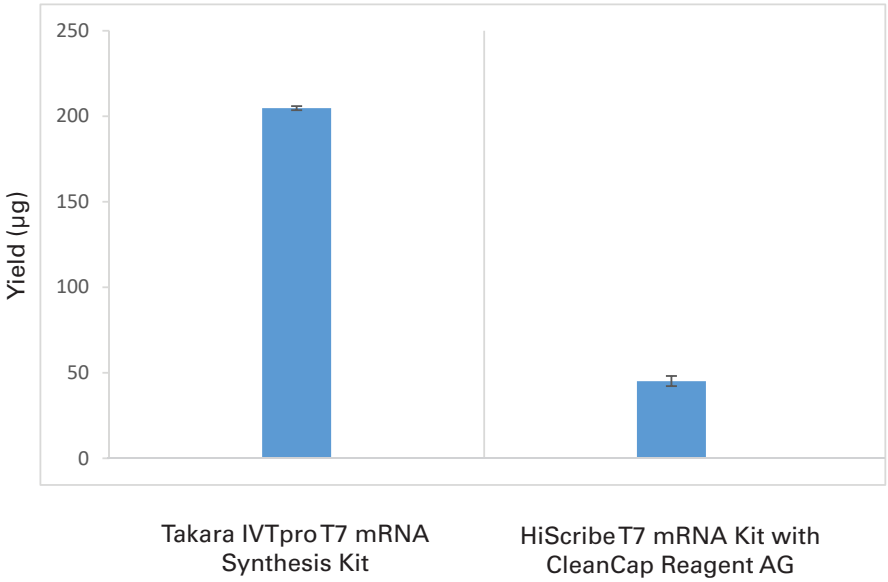


Figure 2. Takara IVTpro T7 mRNA Synthesis Kit consistently produces the highest mRNA yield when compared to similar IVT products. The study was performed using FLuc (1 µg) with CleanCap Reagent AG (3′OMe) and N1-methylpseudo UTP according to the respective user manuals.

Products

Catalog number	mRNA synthesis products	Size
6141	Takara IVTpro mRNA Synthesis System (contains Cat. # 6143 & 6144)	1 Set
6143	Cloning Kit for mRNA Template	10 Rxns
6144	Takara IVTpro T7 mRNA Synthesis Kit	20 Rxns
2541A	T7 RNA Polymerase ver.2.0	20,000 U
2450A	Pyrophosphatase (inorganic)	10 U
2450B	Pyrophosphatase (inorganic)	50 U
2460A	Vaccinia Capping Enzyme	500 U
2460B	Vaccinia Capping Enzyme	2,000 U
2470A	mRNA Cap 2′-O-Methyltransferase	2,500 U
2470B	mRNA Cap 2′-O-Methyltransferase	10,000 U

Learn more:
takarabio.com/ivtpro

TaKaRa

that's GOOD science!

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