PRODUCT INFORMATION

tdTomato Self-Amplifying RNA / tdTomato saRNA

v. 260201

Catalog number	CR00033-100UG / CR00033-1MG
Package	100 µg / 1 mg
Description	tdTomato Self-Amplifying RNA encodes a bright red fluorescent protein, emitting light at 581 nm. It is ideal for tracking gene expression, protein localization, and live cell imaging. As a self-amplifying RNA, it offers enhanced, prolonged expression with lower doses, making it efficient for extended studies. Croyez's tdTomato saRNA was generated through in vitro transcription, and these mRNAs are then fortified at their 5' end by modified nucleotide capping, known as Cap1. To mimic the characteristics of fully processed mature mRNAs, we incorporate a poly(A) tail at the 3' end and optimize the mRNAs to enhance stability and overall performance. This ensures that the mRNAs function similarly to naturally occurring mature mRNAs in cells.
mRNA length	9189 nt
Base Composition	Unmodified bases
Concentration	1.0 mg/ mL
Cap Modification	Cap 1 structure
Poly A tail	Yes
Form	Liquid
Buffer	1 mM sodium citrate buffer, pH 6.4.
Storage	Products can be stored at -80°C or below. We recommend to aliquot the mRNA solution for a better storage. Avoid repeated freeze/thaw cycles.
Shipping	The products are shipped on dry ice and should be avoided for freeze-thaw cycles.
Application	Reporter Genes

For Research Use Only. Not for use in diagnostic or therapeutic procedures.