

PRODUCT INFORMATION

tdTomato mRNA (m1 ψ substitution)

v. 241101

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| Catalog number | CR00028-100UG / CR00028-1MG |
| Package | 100 μ g / 1 mg |
| Description | <p>tdTomato mRNA is a synthetic mRNA that encodes tdTomato, a bright red fluorescent protein. It is widely used in molecular and cell biology research for real-time visualization of cellular processes. tdTomato mRNA emits light at 581 nm and is ideal for tracking gene expression, protein localization, and live cell imaging.</p> <p>Croyez's tdTomato mRNA is produced through in vitro transcription, featuring a Cap1-modified 5' end, a poly(A) tail at the 3' end, and modified nucleotides to reduce immune response. These enhancements ensure stability and performance, allowing the mRNA to function like natural mature mRNAs in cells.</p> |
| mRNA length | 2035 nt |
| Base Composition | N1-Me-pUTP (N1-m ψ) |
| 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 | <p>Products can be stored at -80°C or below.</p> <p>We recommend to aliquot the mRNA solution for a better storage. Avoid repeated freeze/thaw cycles.</p> |
| 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.