EZ Cap™ mCherry mRNA (5mCTP, ψUTP)

Cat. No.:	R1017
Modification:	EZ cap, 5mC-UTP, pseudo-UTP, poly A
Concentration:	1 mg/ml
Buffer:	1 mM Sodium Citrate, pH 6.4
Storage:	-40°C or below
Expiration Date:	6 months

Description

mCherry mRNA encodes the red fluorescent protein mCherry. mCherry is a derivative of the red fluorescent protein DsRed, which is isolated from the sea anemone (Discosoma). mCherry is a monomeric fluorophore with an absorption maximum at 587 nm and an emission maximum at 610 nm. mCherry has good photostability and is widely used for molecular markers and cell component positioning in biology.

This mRNA is capped using a co-transcriptional capping method, which results in the naturally occuring Cap 1 structure with high capping efficiency. It is polyadenylated, modified with 5mCTP/ψUTP and optimized for mammalian systems. The addition of 5mCTP/ψUTP and poly(A) tail can reduce host cell immune response and enhance mRNA stability. It can simulate the function of a fully processed mature mRNA.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.