PRODUCT INFORMATION

hSpCas9 mRNA

v. 260201

Catalog number	CR00011-100UG / CR00011-1MG
Package	100 µg / 1 mg
Description	hSpCas9 mRNA encodes the humanized version of the Cas9 protein, a versatile tool for precise genome editing. This mRNA enables efficient and transient expression of hSpCas9, facilitating targeted DNA cleavage at specific genomic loci. With its broad applicability and high efficiency, hSpCas9 mRNA finds extensive use in research, therapeutic development, and biotechnological applications. Croyez's hSpCas9 IVT mRNA is generated through in vitro transcription, with a Cap1-modified 5' end and a poly(A) tail at the 3' end to mimic mature mRNAs. These optimizations enhance stability and performance, ensuring the mRNAs function like natural mature mRNAs in cells.
mRNA length	4746 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	CRISPR screening, gene editing, genetic disease studies, therapeutic development, genetic modification

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