

ABEmax mRNA (m1 ψ substitution)

v. 240601

Catalog number	CR00014-100UG / CR00014-1MG
Package	100 μ g / 1 mg
Description	<p>ABEmax mRNA encodes the ABEmax (Adenine Base Editor) protein, a second-generation genome-editing tool for precise adenine-to-guanine (A-to-G) conversions in DNA. Delivered as mRNA, it ensures rapid, high transient expression proportional to mRNA quantity without requiring nuclear uptake. Extensively characterized for its targeting window and off-target effects, ABEmax is ideal for research in gene function, genetic diseases, and therapeutic development.</p> <p>Croyez's ABEmax 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	5962 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	Gene Function Research, Genetic Disease Studies, Therapeutic Development, Genetic Modification

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