

Streamline your discovery with premade mRNAs



TriLink BioTechnologies® provides predesigned, readymade mRNAs as catalog products to use as controls in your R&D experiments and process development materials for downstream formulation in the development of mRNA vaccines and therapeutics.

mRNAs manufactured with quality for robust performance

TriLink's premade mRNAs are manufactured following leading-edge in vitro transcription (IVT) processes such as our CleanScript™ method, reducing double-stranded RNA (dsRNA) levels and enhancing *in vivo* protein expression. To provide confidence in using our mRNAs, standard analytical tests are performed and provided on their certificates of analysis.

These analyses include:

- ✓ Concentration determination by UV-Vis
- ✓ Capping efficiency by capping assay
- ✓ Construct integrity by gel and capillary electrophoreses
- ✓ dsRNA level by dot blot

Three mRNA designs for diverse projects

TriLink offers premade mRNAs in three designs: CleanCap® mRNAs, CleanCap® mRNAs (5moU), and CleanCap® M6 mRNAs (N1MePsU). Their 5' UTR is synthetic, containing a strong Kozak sequence, designed to promote efficient translation while the 3' UTR is derived from mouse alpha-globin. Their key differences lie in the type of CleanCap® analog used and the base compositions, which may affect their protein expression and immunogenicity.

	CleanCap® mRNAs	CleanCap® mRNAs (5moU)	CleanCap® M6 mRNAs (N1MePsU)
Expression system	Mammalian	Mammalian	Mammalian
5' cap	Cap 1	Cap 1	Cap 1
Cap analog	CleanCap® AG	CleanCap® AG	CleanCap® M6
Poly(A)	120 nt	120 nt	120 nt
Base composition	Unmodified uridines	Uridines substituted with 5-methoxyuridines	Uridines substituted with N1-methylpseudouridines
Protein expression	High	High	Highest
Immunogenicity	Normal	Reduced	Lowest

Ordering information*

mRNA	Catalog number	Available sizes
Reporter genes		
CleanCap® M6 EGFP mRNA (N1MePsU)	L-8101	100 µg, 1 mg, 5 x 1 mg
CleanCap® EGFP mRNA (5moU)	L-7201	100 µg, 1 mg, 5 x 1 mg
CleanCap® EGFP mRNA	L-7601	100 µg, 1 mg, 5 x 1 mg
CleanCap® M6 FLuc mRNA (N1MePsU)	L-8102	100 µg, 1 mg, 5 x 1 mg
CleanCap® FLuc mRNA (5moU)	L-7202	100 µg, 1 mg, 5 x 1 mg
CleanCap® FLuc mRNA	L-7602	100 µg, 1 mg, 5 x 1 mg
CleanCap® M6 mCherry mRNA (N1MePsU)	L-8103	100 µg, 1 mg, 5 x 1 mg
CleanCap® mCherry mRNA (5moU)	L-7203	100 µg, 1 mg, 5 x 1 mg
CleanCap® Renilla Luc mRNA (5moU)	L-7204	100 µg, 1 mg, 5 x 1 mg
CleanCap® beta gal mRNA (5moU)	L-7208	100 µg, 1 mg, 5 x 1 mg
CleanCap® beta gal mRNA	L-7608	100 µg, 1 mg, 5 x 1 mg
Genome editing		
CleanCap® M6 Cas9 mRNA (N1MePsU)	L-8106	100 µg, 1 mg, 5 x 1 mg
CleanCap® Cas9 mRNA (5moU)	L-7206	100 µg, 1 mg, 5 x 1 mg
CleanCap® Cas9 mRNA	L-7606	100 µg, 1 mg, 5 x 1 mg
CleanCap® Cas9 Nickase mRNA (5moU)	L-7207	100 µg, 1 mg, 5 x 1 mg
CleanCap® M6 Cre mRNA (N1MePsU)	L-8111	100 µg, 1 mg, 5 x 1 mg
CleanCap® Cre mRNA (5moU)	L-7211	100 µg, 1 mg, 5 x 1 mg
Gene replacement		
CleanCap® M6 EPO mRNA (N1MePsU)	L-8109	100 µg, 1 mg, 5 x 1 mg
CleanCap® EPO mRNA (5moU)	L-7209	100 µg, 1 mg, 5 x 1 mg
Antigen		
CleanCap® OVA mRNA (5moU)	L-7210	100 µg, 1 mg, 5 x 1 mg
CleanCap® OVA mRNA	L-7610	100 µg, 1 mg, 5 x 1 mg

*TriLink offers customization of these constructs to meet your desired configurations. Learn more at trilinkbiotech.com/discovery-mrna-synthesis

For more information visit go.trilinkbiotech.com/premade-mrnas.
Contact us at **800.863.6801** or support@trilinkbiotech.com for ordering
and product support.

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