

## Certificate of Analysis

Product Name: Fluc mRNA(5' CAP)  
 Cat. No.: GM10002  
 Batch No.: 1  
 Chemical Name:

### ANALYTICAL DATA

mRNA Length : 1929 nucleotides  
 Concentration: 1mg/mL  
 Buffer: DEPC-Treated Water  
 Storage: -40°C or below

Test Items	Specification/Standard	Results	Results Judgment
Appearance and character	The package of finished reagent kit should not be damaged,the instruction and label information are correct,the product name,batch number,storage conditions,valid period are clear,each tube reagent appearance is complete marked clearly,no damage;The liquid inside is colorless and transparent	The package is not damaged,the instruction and label information are correct,the product name,batch number,storage conditions,valid period are clear,each tube reagent appearance is complete,marked clearly,no damage;The liquid inside is colorless and transparent.	PASS
Visible foreign body	No visible foreign body	No visible foreign body	PASS
Function test	2×10 <sup>5</sup> Hela cells were transfected with 4μg mRNA After 24 hours transfection,the detected signal value of luciferase activity exceeded 10 <sup>7</sup> .	The detected signal value of luciferase activity exceeded 10 <sup>7</sup>	PASS
Concentration	0.9-1.1 mg/m	1 mg/ml	PASS
Purity	2.1<A260/A280<2.4	2.20	PASS
Integrity	≥85%	92.5%	PASS
Capping ratio	≥90%	98.6%	PASS
Conclusion	PASS		

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA