

Report of Analysis

Report Number	CLT24G034	Report Date	July 19, 2024
Sample Name	CD19 CAR mRNA	Lot Number	P24G007
Package Size	0.1, 0.5 mg/tube	Manufacturing Date	July 09, 2024
Sample Source	CATUG	Receiving Date	July 09, 2024

Test	Method	Result
Appearance	USP <790>	Clear, colorless solution
Content	UV-vis	5.0 mg/mL
A260/A280	UV-vis	1.9
Integrity	CE	95.9 %
Purity	HPLC	92.3 %
5' capping efficiency	LC-MS	> 99.0 %
dsRNA	ELISA	177.0 ng/mg
Endotoxin	Gel-clot assay	< 10 EU/mL
In vitro expression	SDS-page	Expressed protein size matches expectation

Reported By /Date: Jinyao Chen July 19, 2024 Reviewed By/Date: Xining Xu July 19, 2024

Approved By/Date: Tengjun Huang July 19, 2024

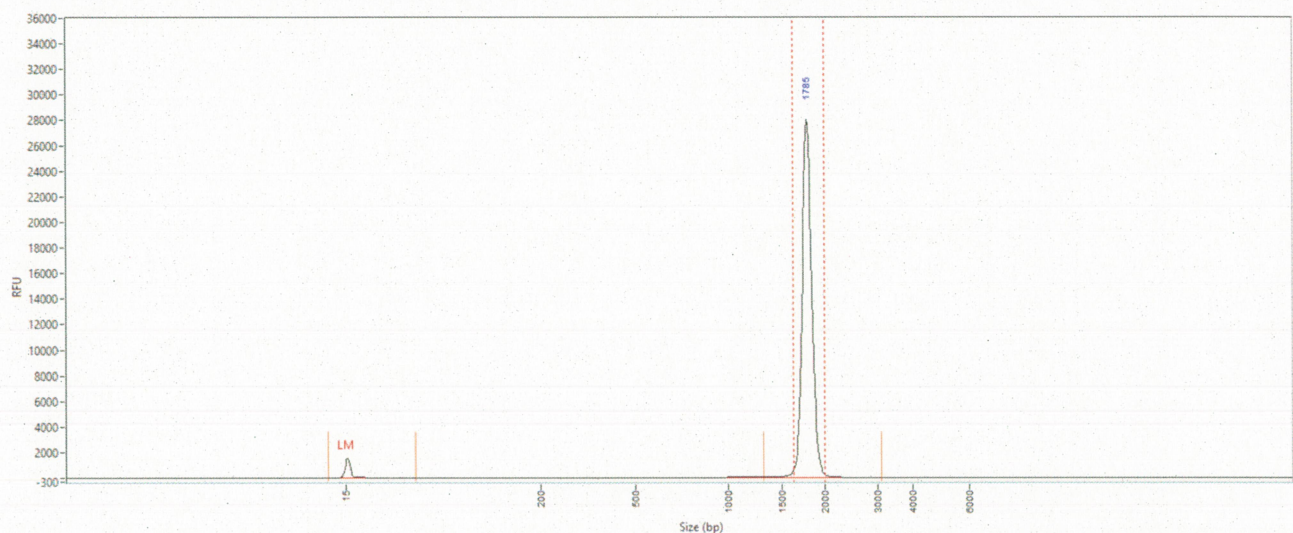
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Integrity - CE



Smear Analysis

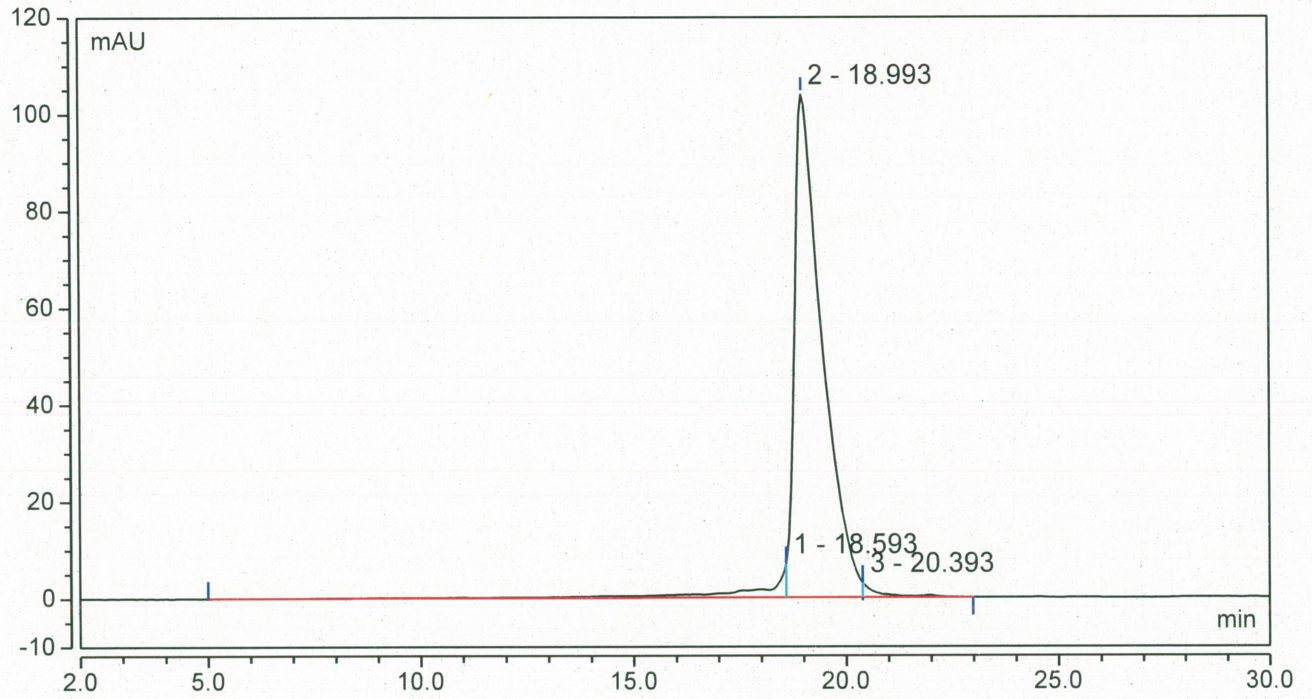
1560 bp to 1920 bp 116.2687 ng/ul

95.9 %Total

110.3504 nmole/L

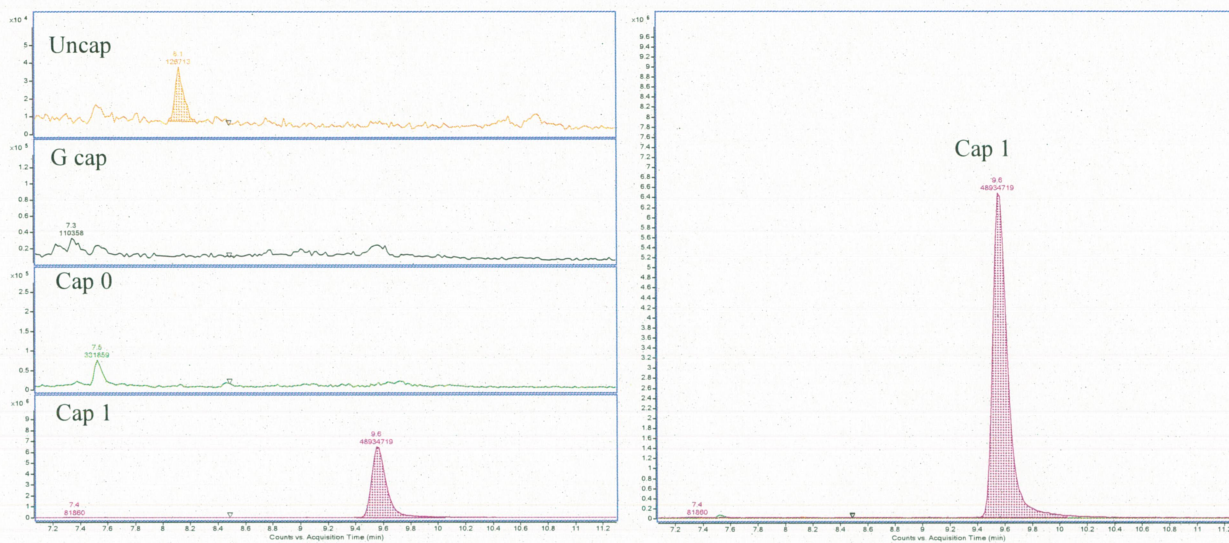
1734 Avg. Size
(bp)

Purity - HPLC



RT (min)	Area	Area (%)
18.593	5.390	6.4
18.993	78.215	92.3
20.393	1.139	1.3

5' capping efficiency - LC-MS



Name	RT (min)	Area	Area(%)
Uncap	8.1	126713	0.3
G cap	N.D.	N.D.	N.D.
Cap 0	N.D.	N.D.	N.D.
Cap 1	9.6	48934719	> 99.0

In vitro expression - SDS-page

