

Report of Analysis

Report Number	RA22J003	Report Date	2022.10.28
Sample Name	mCherry mRNA	Lot Number	P22J005
Package Size	0.1, 0.5, 1.0 mg/tube	Manufacturing Date	2022.10.13
Sample Source	CATUG	Receiving Date	2022.10.13

Test	Method	Result
Appearance	Visual	Colorless solution
Content	UV	2.2 mg/mL
A260/280	UV	1.99
Identity	Sanger sequencing	ORF sequence 100% matches
pH	USP <791>	6.82
Purity	CE	88.9%
Purity	HPLC	86.2%
Capping efficiency	LC-MS	93.6%
Residual protein	Fluorescence	<0.3 µg/mg
Residual DNA template	qPCR	0.007 ng/mg
dsRNA	ELISA	134 ng/mg
Endotoxin	USP <85>	< 4 EU/mL
In vitro expression	SDS-page	Expressed protein size matches expectation

 Reported By /Date: Wenjing. Wang
2022.10.28

 Reviewed By/Date: Tengjun. Huang
2022.10.28

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2022.10.28

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