

## Report of Analysis

Report Number	RA22K008	Report Date	2022.11.18
Sample Name	$\beta$ -Gal mRNA	Lot Number	P22J029
Package Size	0.1, 0.5, 1.0 mg/tube	Manufacturing Date	2022.11.03
Sample Source	CATUG	Receiving Date	2022.11.03

Test	Method	Result
Appearance	Visual	Colorless solution
Content	UV	2.0 mg/mL
A260/280	UV	1.83
Identity	Sanger sequencing	ORF sequence 100% matches
pH	USP <791>	6.85
Purity	CE	92.9%
Purity	HPLC	87.4%
Capping efficiency	LC-MS	> 99.0%
Residual protein	Fluorescence	0.46 $\mu$ g/mg
Residual DNA template	qPCR	0.71 ng/mg
dsRNA	ELISA	127 ng/mg
Endotoxin	USP <85>	1-4 EU/mL
In vitro expression	SDS-page	Expressed protein size matches expectation

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2022.11.18

Reviewed By/Date: *Tengjun Huang*  
2022.11.18

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2022.11.18

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