

## New England Biolabs Certificate of Analysis

Product Name: PURExpress<sup>®</sup> In Vitro Protein Synthesis Kit  
 Catalog Number: E6800L  
 Packaging Lot Number: 10139804  
 Expiration Date: 02/2024  
 Storage Temperature: -80°C  
 Specification Version: PS-E6800S/L v2.0

PURExpress <sup>®</sup> In Vitro Protein Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0760AVIAL	PURExpress <sup>®</sup> Solution B	10138648	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10103267	Pass
B0228AVIAL	PURExpress Solution A	10138647	Pass

Assay Name/Specification	Lot # 10139804
<b>Functional Testing (Cell Free Protein Synthesis Assay) (--galactosidase)</b> A 25 µl reaction in the presence of 250 ng β-galactosidase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress <sup>®</sup> In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 116 kDa product as determined by SDS-PAGE with Coomassie Blue detection.	Pass
<b>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase)</b> A 25 µl reaction in the presence of 250 ng Vent DNA Polymerase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress <sup>®</sup> In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 89 kDa product as determined by SDS-PAGE with Coomassie Blue detection.	Pass
<b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> A 25 µl reaction in the presence of 250 ng PURExpress <sup>®</sup> Control DHFR Plasmid and 20 units RNase Inhibitor containing the components of the PURExpress <sup>®</sup> In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in PURExpress <sup>®</sup> In Vitro Protein Synthesis Kit and meet the designated specifications.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Coryna Tuckey*

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Cory Tuckey  
Production Scientist  
09 Feb 2022

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
09 Feb 2022