

## New England Biolabs Certificate of Analysis

Product Name: PURExpress® In Vitro Protein Synthesis Kit  
 Catalog Number: E6800L  
 Packaging Lot Number: 10185165  
 Expiration Date: 02/2025  
 Storage Temperature: -80°C  
 Specification Version: PS-E6800S/L v2.0

PURExpress® In Vitro Protein Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0760AVIAL	PURExpress® Solution B	10184916	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10137950	Pass
B0228AVIAL	PURExpress Solution A	10184430	Pass

Assay Name/Specification	Lot # 10185165
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in PURExpress® In Vitro Protein Synthesis Kit and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b>            A 25 µl reaction in the presence of 250 ng PURExpress® Control DHFR Plasmid and 20 units RNase Inhibitor containing the components of the PURExpress® 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.</p>	Pass
<p><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® 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.</p>	Pass
<p><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® 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.</p>	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*

---

Cory Tuckey  
Production Scientist  
03 Feb 2022

*Nick Privitera*

---

Nick Privitera  
Packaging Quality Control Inspector  
27 Mar 2023