

## New England Biolabs Certificate of Analysis

Product Name: PURExpress<sup>®</sup> In Vitro Protein Synthesis Kit  
 Catalog Number: E6800L  
 Lot Number: 10021789  
 Expiration Date: 08/2020  
 Storage Temperature: -80°C  
 Specification Version: PS-E6800S/L v1.0

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	10014118	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10014093	Pass

Assay Name/Specification	Lot # 10021789
<b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> A 25 µl reaction in the presence of 250 ng E. coli DHFR 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 20 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) (--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>* 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.

*Cory Tuckey*

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Cory Tuckey  
Production Scientist  
19 Jul 2018

*Ying Zhou*

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Ying Zhou  
Packaging Quality Control Inspector  
06 Sep 2018