

## New England Biolabs Certificate of Analysis

**Product Name:** PURExpress® In Vitro Protein Synthesis Kit  
**Catalog Number:** E6800S  
**Packaging Lot Number:** 10251166  
**Expiration Date:** 05/2026  
**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	10244333	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10241264	Pass
B0228AVIAL	PURExpress Solution A	10244332	Pass

Assay Name/Specification	Lot # 10251166
<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>	<b>Pass</b>
<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>	<b>Pass</b>
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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.



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Emily Chen  
Production Scientist  
05 Jun 2024



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Michael Tonello  
Packaging Quality Control Inspector  
19 Jul 2024