

## New England Biolabs Certificate of Analysis

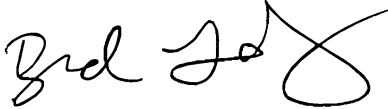
**Product Name:** PURExpress® In Vitro Protein Synthesis Kit  
**Catalog Number:** E6800L  
**Packaging Lot Number:** 10241478  
**Expiration Date:** 12/2025  
**Storage Temperature:** -80°C  
**Specification Version:** PS-E6800S/L v2.0

| PURExpress® In Vitro Protein Synthesis Kit Component List |                                 |            |                      |
|---|---------------------------------|------------|----------------------|
| NEB Part Number   | Component Description           | Lot Number | Individual QC Result |
| P0760AVIAL  | PURExpress® Solution B          | 10219399   | Pass                 |
| N0424AVIAL  | PURExpress Control DHFR Plasmid | 10214569   | Pass                 |
| B0228AVIAL  | PURExpress Solution A           | 10219400   | Pass                 |

| Assay Name/Specification  | Lot # 10241478 |
|---|----------------|
| <p><b>* Individual Product Component Note</b><br/>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><br/>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><br/>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><br/>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>    |

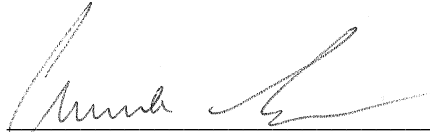
This product has been tested and shown to be in compliance with all specifications.

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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Brad Landgraf  
Production Scientist  
05 Dec 2023



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Anna Sorensen  
Packaging Quality Control Inspector  
16 May 2024