

New England Biolabs Certificate of Analysis

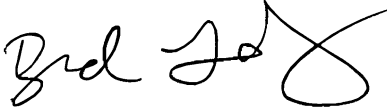
Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
 Catalog Number: E6800S
 Packaging Lot Number: 10191411
 Expiration Date: 05/2025
 Storage Temperature: -80°C
 Specification Version: PS-E6800S/L v2.0

| PURExpress [®] In Vitro Protein Synthesis Kit Component List | | | |
|-----------------------------------------------------------------------|------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P0760AVIAL | PURExpress [®] Solution B | 10191415 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10170242 | Pass |
| B0228AVIAL | PURExpress Solution A | 10191414 | Pass |

| Assay Name/Specification | Lot # 10191411 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <p>* Individual Product Component Note 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>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) 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>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase) 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>Functional Testing (Cell Free Protein Synthesis Assay) (--galactosidase) 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 for additional information.



Brad Landgraf
Production Scientist
24 May 2023



Josh Hersey
Packaging Quality Control Inspector
08 Jun 2023