

New England Biolabs Certificate of Analysis

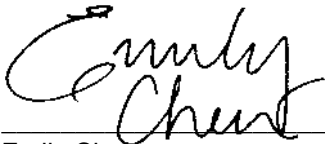
Product Name: PURExpress® (aa, tRNA) Kit
Catalog Number: E6840S
Packaging Lot Number: 10272434
Expiration Date: 12/2026
Storage Temperature: -80°C
Specification Version: PS-E6840S v2.0

| PURExpress® (aa, tRNA) Kit Component List | | | |
|-------------------------------------------|---------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P0760AVIAL | PURExpress® Solution B | 10268812 | Pass |
| N6843AVIAL | Amino Acid Mix | 10267226 | Pass |
| N6842AVIAL | PURExpress® tRNA Mix | 10267224 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10264366 | Pass |
| B6841AVIAL | PURExpress® delta aa, tRNA | 10267222 | Pass |

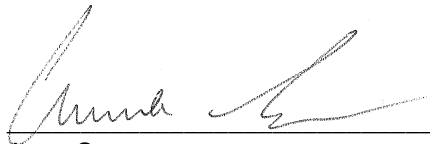
| Assay Name/Specification | Lot # 10272434 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress® Δ (aa, tRNA) 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® Δ (aa, tRNA) 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® Δ (aa, tRNA) 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® Δ (aa, tRNA) 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.



Emily Chen
Production Scientist
17 Dec 2024



Anna Sorensen
Packaging Quality Control Inspector
18 Dec 2024