

New England Biolabs Certificate of Analysis

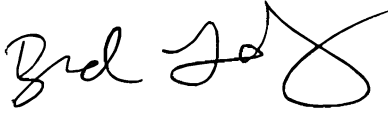
Product Name: PURExpress[®] (aa, tRNA) Kit
 Catalog Number: E6840S
 Packaging Lot Number: 10205771
 Expiration Date: 06/2025
 Storage Temperature: -80°C
 Specification Version: PS-E6840S v2.0

| PURExpress [®] (aa, tRNA) Kit Component List | | | |
|---|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P6840AVIAL | PURExpress Sol B, E6840 | 10191392 | Pass |
| N6843AVIAL | Amino Acid Mix | 10191390 | Pass |
| N6842AVIAL | PURExpress [®] tRNA Mix | 10191389 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10170242 | Pass |
| B6841AVIAL | PURExpress [®] delta aa, tRNA | 10191391 | Pass |

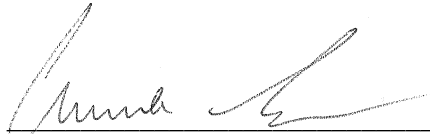
| Assay Name/Specification | Lot # 10205771 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress[®] Δ (aa, tRNA) Kit and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (Cell Free 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.



Brad Landgraf
Production Scientist
06 Jun 2023



Anna Sorensen
Packaging Quality Control Inspector
18 Aug 2023