

New England Biolabs Certificate of Analysis

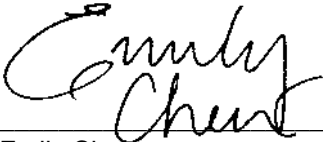
Product Name: PURExpress® (aa, tRNA) Kit
 Catalog Number: E6840S
 Packaging Lot Number: 10254520
 Expiration Date: 07/2026
 Storage Temperature: -80°C
 Specification Version: PS-E6840S v2.0

PURExpress® (aa, tRNA) Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6840AVIAL	PURExpress Sol B, E6840	10247525	Pass
N6843AVIAL	Amino Acid Mix	10247524	Pass
N6842AVIAL	PURExpress® tRNA Mix	10247526	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10241264	Pass
B6841AVIAL	PURExpress® delta aa, tRNA	10247523	Pass

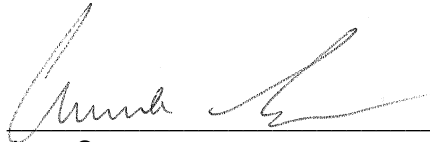
Assay Name/Specification	Lot # 10254520
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress® Δ (aa, tRNA) Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) A 25 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
24 Jul 2024



Anna Sorensen
Packaging Quality Control Inspector
23 Aug 2024