

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name: PURExpress® (aa, tRNA) Kit

Catalog Number: E6840S
Packaging Lot Number: 10181916
Expiration Date: 09/2024
Storage Temperature: -80°C

Specification Version: PS-E6840S v2.0

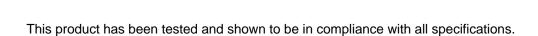
PURExpress® (aa, tRNA) Kit Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
P0760AVIAL	PURExpress® Solution B	10164355	Pass	
N6843AVIAL	Amino Acid Mix	10164354	Pass	
N6842AVIAL	PURExpress® tRNA Mix	10164353	Pass	
N0424AVIAL	PURExpress Control DHFR Plasmid	10137950	Pass	
B6841AVIAL	PURExpress® delta aa, tRNA	10166920	Pass	

Assay Name/Specification	Lot # 10181916
* 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.	Pass
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.	Pass
Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase A 25 μ l 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.	Pass
Functional Testing (Cell Free Protein Synthesis Assay) (galactosidase) A 25 μ l 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.	Pass



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Ying Zhou Production Scientist

11 Oct 2022

Nick Privitera

Packaging Quality Control Inspector

03 Apr 2023

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