

## New England Biolabs Certificate of Analysis

Product Name: PURExpress™ Δ Ribosome Kit  
 Catalog Number: E3313S  
 Packaging Lot Number: 10181434  
 Expiration Date: 12/2024  
 Storage Temperature: -80°C  
 Specification Version: PS-E3313S v2.0

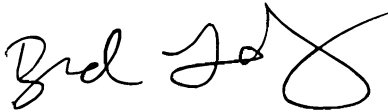
PURExpress™ Δ Ribosome Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0763AVIAL	E.coli Ribosome	10170244	Pass
P0762AVIAL	PURExpress® Factor Mix	10170243	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10137950	Pass
B0231AVIAL	Solution A (E3313)	10170241	Pass

Assay Name/Specification	Lot # 10181434
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in PURExpress® Δ Ribosome Kit and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b>            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 Ribosome 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><b>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase)</b>            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 Ribosome 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><b>Functional Testing (Cell Free Protein Synthesis Assay) (--galactosidase)</b>            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 Ribosome 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.



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Brad Landgraf  
Production Scientist  
06 Dec 2022



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Nick Privitera  
Packaging Quality Control Inspector  
15 Mar 2023