

## New England Biolabs Certificate of Analysis

Product Name: PURExpress<sup>®</sup> delta Ribosome Kit  
 Catalog Number: E3313S  
 Lot Number: 10054527  
 Expiration Date: 09/2021  
 Storage Temperature: -80°C  
 Specification Version: PS-E3313S v1.0

PURExpress <sup>®</sup> delta Ribosome Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0763AVIAL	E.coli Ribosome	10054031	Pass
P0762AVIAL	PURExpress <sup>®</sup> Factor Mix	10054030	Pass
N0424AVIAL	Control (DHFR) template	10045777	Pass
B0228AVIAL	PURExpress Solution A	10053967	Pass

Assay Name/Specification	Lot # 10054527
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b>            A 25 µl reaction in the presence of 250 ng E. coli DHFR template DNA and 20 units RNase Inhibitor containing the components of the PURExpress<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in PURExpress<sup>®</sup> Δ Ribosome Kit and meet the designated specifications.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.



*Cory Tuckey*

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Cory Tuckey  
Production Scientist  
26 Aug 2019

*Ying Zhou*

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Ying Zhou  
Packaging Quality Control Inspector  
11 Sep 2019