

## New England Biolabs Certificate of Analysis

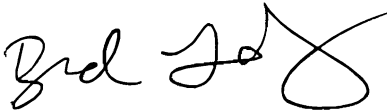
Product Name: PURExpress™ Δ Ribosome Kit  
 Catalog Number: E3313S  
 Packaging Lot Number: 10204004  
 Expiration Date: 08/2025  
 Storage Temperature: -80°C  
 Specification Version: PS-E3313S v2.0

PURExpress™ Δ Ribosome Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0763AVIAL	E.coli Ribosome	10200390	Pass
P0762AVIAL	PURExpress® Factor Mix	10200389	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10170242	Pass
B0231AVIAL	Solution A (E3313)	10200388	Pass

Assay Name/Specification	Lot # 10204004
<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  
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03 Aug 2023



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Nick Privitera  
Packaging Quality Control Inspector  
04 Aug 2023