NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *PURExpress® delta Ribosome Kit*
Catalog Number: *E3313S*
Packaging Lot Number: *10133310*
Expiration Date: *01/2024*
Storage Temperature: *-80°C*
Specification Version: *PS-E3313S v2.0*

PURExpress® delta Ribosome Kit Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
P0763AVIAL	E.coli Ribosome	10131479	**Pass**
P0762AVIAL	PURExpress® Factor Mix	10133308	**Pass**
N0424AVIAL	PURExpress Control DHFR Plasmid	10103267	**Pass**
B0228AVIAL	PURExpress Solution A	10133309	**Pass**

Assay Name/Specification	Lot # 10133310
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 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.	**Pass**
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 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.	**Pass**
*** Individual Product Component Note** Standard Quality Control Tests are performed for each component included in PURExpress® Δ Ribosome 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 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.	**Pass**

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

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