

New England Biolabs Product Specification

Product Name: PURExpress[®] Δ Ribosome Kit
Catalog #: E3313S
Kit Components: PURExpress[®] Solution A (B0228)
PURExpress[®] Factor Mix (P0762)
E. coli Ribosome (P0763)
PURExpress[®] Control DHFR Plasmid (N0424)
Shelf Life: 24 months
Storage Temp: -80°C
Specification Version: PS-E3313S v2.0
Effective Date: 19 Jan 2021

Assay Name/Specification (minimum release criteria)

Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) - A 25 μ l 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.

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 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.

Functional Testing (Cell Free Protein Synthesis Assay) (β -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 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.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in PURExpress[®] Δ Ribosome Kit and meet the designated specifications.

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Date 19 Jan 2021

Derek Robinson
Director, Quality Control

