

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) template (N0424)

Shelf Life: 24 months
Storage Temp: -80°C
Specification Version: PS-E3313S v1.0
Effective Date: 13 Jun 2018

Assay Name/Specification (minimum release criteria)

Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) - 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[®] 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 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.

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

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



Date 13 Jun 2018

Derek Robinson
Director of Quality Control

