

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] Δ (aa, tRNA) Kit
Catalog #: E6840S
Kit Components: PURExpress[®] Solution A (minus aa, tRNA) (B6841)
 PURExpress[®] Control (DHFR) template (N0424)
 PURExpress[®] E. coli tRNA (N6842)
 PURExpress[®] Amino Acid Mix (N6843)
 PURExpress[®] Solution B (P0760)

Lot #: 0151803
Assay Date: 03/2018
Expiration Date: 03/2020
Storage Temp: -80°C
Specification Version: PS-E6840S v1.0
Effective Date: 13 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0151803
<p>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) - A 25 µl reaction in the presence of 250 ng <i>E. coli</i> DHFR template DNA and 20 units RNase Inhibitor containing the components of the PURExpress[®] Δ (aa, tRNA) 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>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 (aa, tRNA) 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>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 (aa, tRNA) 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>* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in PURExpress[®] Δ (aa, tRNA) Kit and meet the designated specifications.</p>	Pass




Authorized by
Derek Robinson
13 Jun 2018

Inspected by
Cory Tuckey
01 Mar 2018

