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New England Biolabs
Certificate of Analysis

Product Name:	*E. coli Ribosome*
Catalog #:	*P0763S*
Concentration:	*13.3 µM*
Lot #:	*0091804*
Assay Date:	*04/2018*
Expiration Date:	*04/2020*
Storage Temp:	*-80°C*
Storage Conditions:	*30 mM KCl, 20 mM HEPES-KOH, 10 mM MgAC2, 7 mM β-mercaptoethanol, (pH 7.6 @ 25°C)*
Specification Version:	*PS-P0763S v1.0*
Effective Date:	*14 Jun 2018*

Assay Name/Specification (minimum release criteria)	**Lot #0091804**
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.	**Pass**
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) (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.	**Pass**

Authorized by
Derek Robinson
14 Jun 2018

Inspected by
Cory Tuckey
02 Apr 2018