

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] Disulfide Bond Enhancer
Catalog #: E6820S
Kit Components: PURExpress[®] Disulfide Bond Enhancer 1 (P6821)
 PURExpress[®] Disulfide Bond Enhancer 2 (B6822)

Lot #: 0111804
Assay Date: 04/2018
Expiration Date: 04/2020
Storage Temp: -20°C
Specification Version: PS-E6820S v1.0
Effective Date: 22 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0111804
<p>Functional Testing (Cell-Free Protein Synthesis Assay, vTPA) - A 25 µl reaction in the presence of 250 ng vTPA (truncated tissue plasminogen activator) template plasmid DNA, 1 µl Enhancer 1, 1 µl Enhancer 2, and 20 units of RNase Inhibitor containing the components of the PURExpress[®] In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 40 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Functional Testing (vTPA Activity Assay) - Five (5) µl of PURExpress[®] vTPA protein synthesis reaction is incubated with 0.4 mM chromozym t-PA substrate in 100 mM Tris pH 8.0 and 0.15% Tween[®] 80 at 37°C for 1 hour. Absorbance readings at 405 nm are taken every 2 minutes in a kinetic assay. An increase in absorbance at 405 nm over time indicates the formation of 4-nitraniline as detected by spectrophotometric analysis.</p>	Pass



Authorized by

22 Jun 2018

Inspected by

Cory Tuckey
01 Apr 2018

