

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] Disulfide Bond Enhancer
 Catalog Number: E6820S
 Lot Number: 10023320
 Expiration Date: 09/2020
 Storage Temperature: -20°C
 Specification Version: PS-E6820S v1.0

PURExpress [®] Disulfide Bond Enhancer Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6821AVIAL	PURExpress [®] Disulfide Bond Enhancer 1	10022551	Pass
B6822AVIAL	Enhancer 2	10022556	Pass

Assay Name/Specification	Lot # 10023320
<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

This product has been tested and shown to be in compliance with all specifications.

Cory Tuckey

Cory Tuckey
Production Scientist
19 Sep 2018

Cory Tuckey

Cory Tuckey
Packaging Quality Control Inspector
08 Nov 2018