

New England Biolabs Certificate of Analysis

Product Name: NEBExpress™ GamS Nuclease Inhibitor
Catalog Number: P0774S
Concentration: 1.5 mg/ml
Packaging Lot Number: 10062593
Expiration Date: 12/2021
Storage Temperature: -20°C
Storage Conditions: 50 mM Tris-Acetate (pH 8.2 @ 25°C)
Specification Version: PS-P0774S v1.0

NEBExpress™ GamS Nuclease Inhibitor Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0774SVIAL	NEBExpress™ GamS Nuclease Inhibitor	10061886	Pass

Assay Name/Specification	Lot # 10062593
Protein Purity Assay (SDS-PAGE) NEBExpress™ GamS Nuclease Inhibitor is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass
Protease Activity (Non-Specific, SDS-PAGE) A 20 µl reaction in 1X NEBuffer 4 supplemented with 1 mM ATP containing 24 µg of a standard mixture of proteins and a minimum of 2 µg of NEBExpress™ GamS Nuclease Inhibitor was incubated for 20 hours at 37°C. After incubation, no detectable degradation of the protein mixture was determined by SDS-PAGE with Coomassie Blue detection.	Pass
Functional Testing (GamS, Inhibition) A 50 µl reaction in 1X NEBuffer 4 supplemented with 1 mM ATP containing 10 units of Exonuclease V (RecBCD) and a minimum of 0.2 µg of NEBExpress™ GamS Nuclease Inhibitor incubated for 30 minutes at 37°C results in ≥90% inhibition as determined by scintillation counting.	Pass

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



Alicia Bielik
Production Scientist
06 Dec 2019



Michael Tonello
Packaging Quality Control Inspector
13 Dec 2019