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New England Biolabs Certificate of Analysis

Product Name: NEBExpress® GamS Nuclease Inhibitor

Catalog Number: P0774S
Concentration: 1.5 mg/ml
Packaging Lot Number: 10229335
Expiration Date: 01/2026
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	10222147	Pass	

Assay Name/Specification	Lot # 10229335
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
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
Protein Purity Assay (SDS-PAGE) NEBExpress™ GamS Nuclease Inhibitor is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass

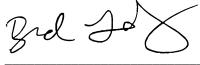
This product has been tested and shown to be in compliance with all specifications.

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Brad Landgraf Production Scientist 24 Jan 2024 Michael Tonello

Packaging Quality Control Inspector

01 Feb 2024

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