



CERTIFICATE OF ANALYSIS

Version 3.7
revised on June 7, 2023

rPNGase F

PRODUCT NAME: rPNGase F
PRODUCT NUMBERS: E-RPNG01, E-RPNG0, E-RPNG01-20

LOT NUMBER: 118.1A
EXPIRATION DATE: June 3, 2026
ASSAY DATE: May 27, 2023

SOURCE: recombinant gene from *Elizabethkingia miricola* expressed in *E. Coli*
FORMULATION: The enzyme is provided as a sterile-filtered solution in 20 mM Tris-HCl (pH 7.5).
STORAGE: 4°C (Do not freeze)

ACTIVITY: Activity¹ 5 U/ml (Specification: ≥ 5 U/ml)
Specific Activity² 25 U/mg (Specification: ≥ 25 U/mg)

CONTAMINATING ACTIVITY ASSAYS:
Protease Assay³ Passed (Specification "Passed")

1. Defined as the amount of enzyme required to catalyze the release of N-linked oligosaccharides from 1 micromole of denatured RNase B in 1 minute at 37°C, pH 7.5. Cleavage is monitored by SDS-PAGE (cleaved RNase B migrates faster).
2. Protein concentration determined by Bradford method, using BSA as a standard.
3. For the protease assay, 10 µg of denatured BSA is incubated at 37°C for 24 hr with 2 ul of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.

President - QA-Bio Inc
Authorized by Mike Gibson
June 7, 2023