

New England Biolabs Certificate of Analysis

Product Name: *TEV Protease*

Catalog Number: *P8112S*

Concentration: *10,000 U/ml*

Unit Definition: *One unit of TEV Protease will cleave 2 µg of MBP-fusion protein, MBP5-TEV-paramyosinΔSal, to 95% completion in a total reaction volume of 10 µl in 1 hour at 30°C in 50 mM Tris-HCl (pH 7.5 @ 25°C) with 0.5 mM EDTA and 1 mM DTT.*

Packaging Lot Number: *10244397*

Expiration Date: *05/2026*

Storage Temperature: *-20°C*

Storage Conditions: *50 mM Tris-HCl, 250 mM NaCl, 1 mM TCEP, 1 mM EDTA, 50% Glycerol (pH 7.5 @ 25°C)*

Specification Version: *PS-P8112S v1.0*

TEV Protease Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8112SVIAL	TEV Protease	10241954	Pass
B8035SVIAL	10X TEV Protease Reaction Buffer	10217736	Pass

Assay Name/Specification	Lot # 10244397
Protease Activity (Non-Specific, SDS-PAGE) A 20 µl reaction in 1X TEV Protease Reaction Buffer containing 24 µg of a standard mixture of proteins and a minimum of 10 units of TEV Protease 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

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

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Emily Chen
Production Scientist
20 May 2024



Josh Hersey
Packaging Quality Control Inspector
30 May 2024