

New England Biolabs Certificate of Analysis

Product Name: TEV Protease
Catalog Number: P8112S
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: 10077415
Expiration Date: 07/2022
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 | 10077416 | Pass |
| B8035SVIAL | 10X TEV Protease Reaction Buffer | 10078918 | Pass |

| Assay Name/Specification | Lot # 10077415 |
|--|----------------|
| 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.



Alicia Bielik
Production Scientist
21 Jul 2020



Josh Hersey
Packaging Quality Control Inspector
21 Jul 2020