

## 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.  
**Lot Number:** 10052586  
**Expiration Date:** 08/2021  
**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                     | 10052585   | Pass                 |
| B8035SVIAL                  | 10X TEV Protease Reaction Buffer | 10049724   | Pass                 |

| Assay Name/Specification   | Lot # 10052586 |
|--|----------------|
| <b>Protease Activity (Non-Specific, SDS-PAGE)</b><br>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.



---

Brad Landgraf  
Production Scientist  
06 Aug 2019



---

Michael Tonello  
Packaging Quality Control Inspector  
28 Aug 2019