

## 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:** 10184709  
**Expiration Date:** 03/2025  
**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	10180320	Pass
B8035SVIAL	10X TEV Protease Reaction Buffer	10181119	Pass

Assay Name/Specification	Lot # 10184709
<b>Protease Activity (Non-Specific, SDS-PAGE)</b> 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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28 Feb 2023



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13 Apr 2023