

New England Biolabs Product Specification

<i>Product Name:</i>	<i>TEV Protease</i>
<i>Catalog #:</i>	<i>P8112S</i>
<i>Concentration:</i>	<i>10,000 units/ml</i>
<i>Unit Definition:</i>	<i>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.</i>
<i>Shelf Life:</i>	<i>24 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Storage Conditions:</i>	<i>50 mM Tris-HCl, 250 mM NaCl, 1 mM TCEP, 1 mM EDTA, 50% Glycerol (pH 7.5 @ 25°C)</i>
<i>Specification Version:</i>	<i>PS-P8112S v1.0</i>
<i>Effective Date:</i>	<i>21 Jun 2018</i>

Assay Name/Specification (minimum release criteria)

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.



Date 21 Jun 2018

Derek Robinson
Director of Quality Control

