

New England Biolabs Product Specification

<i>Product Name:</i>	<i>Furin</i>
<i>Catalog #:</i>	<i>P8077S/L</i>
<i>Concentration:</i>	<i>2,000 units/ml</i>
<i>Unit Definition:</i>	<i>1 unit is defined as the amount of enzyme required to cleave 25 µg of a MBP-FN-paramyosin-ΔSal substrate to 95% completion in 6 hours at 25°C in a total reaction volume of 25 µl.</i>
<i>Shelf Life:</i>	<i>12 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Storage Conditions:</i>	<i>10 mM MES, 1 mM CaCl₂, 50 % Glycerol, (pH 7.0 @ 25°C)</i>
<i>Specification Version:</i>	<i>PS-P8077S/L v1.0</i>
<i>Effective Date:</i>	<i>05 Jul 2017</i>

Assay Name/Specification (minimum release criteria)

Functional Testing (Fusion Protein Digestion) - A 25 µl reaction in 1X Furin Assay Buffer containing 25 µg of MBP-paramyosin ΔSal, treated with 1 unit of Furin, incubated for 6 hours at 25°C results in a mobility shift in >95% of the starting material as determined by Coomassie stained SDS-PAGE.



Date 05 Jul 2017

Derek Robinson
Director of Quality Control

