New England Biolabs
Product Specification

Product Name: Furin
Catalog #: P8077S/L
Concentration: 2,000 units/ml
Unit Definition: 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.
Shelf Life: 12 months
Storage Temp: -20°C
Storage Conditions: 10 mM MES, 1 mM CaCl₂, 50 % Glycerol, (pH 7.0 @ 25°C)
Specification Version: PS-P8077S/L v1.0
Effective Date: 05 Jul 2017

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.

Derek Robinson
Director of Quality Control

Date 05 Jul 2017