

New England Biolabs Certificate of Analysis

Product Name: Furin
Catalog Number: P8077L
Concentration: 2,000 U/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.
Packaging Lot Number: 10065813
Expiration Date: 02/2021
Storage Temperature: -20°C
Storage Conditions: 10 mM MES, 1 mM CaCl₂, 50 % Glycerol, (pH 7.0 @ 25°C)
Specification Version: PS-P8077S/L v1.0

Furin Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8077LVIAL	Furin	10065598	Pass

Assay Name/Specification	Lot # 10065813
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.	Pass

This product has been tested and shown to be in compliance with all specifications.



Alicia Bielik
Production Scientist
04 Jun 2020



Michael Tonello
Packaging Quality Control Inspector
04 Jun 2020