

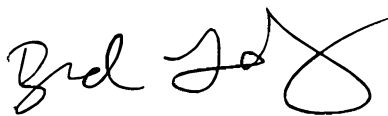
## New England Biolabs Certificate of Analysis

**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:** *10058668*  
**Expiration Date:** *11/2020*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *10 mM MES, 1 mM CaCl<sub>2</sub>, 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	10058670	Pass

Assay Name/Specification	Lot # 10058668
<b>Functional Testing (Fusion Protein Digestion)</b> 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.



Brad Landgraf  
Production Scientist  
08 Nov 2019



Michael Tonello  
Packaging Quality Control Inspector  
02 Jan 2020