

## New England Biolabs Certificate of Analysis

**Product Name:** *Furin*  
**Catalog Number:** *P8077S*  
**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:** *10145525*  
**Expiration Date:** *04/2023*  
**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
P8077SVIAL	Furin	10145524	Pass

Assay Name/Specification	Lot # 10145525
<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.

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