

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: *10191257*
Expiration Date: *03/2024*
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	10182789	Pass

Assay Name/Specification	Lot # 10191257
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.

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Brad Landgraf
Production Scientist
21 Mar 2023



Michael Tonello
Packaging Quality Control Inspector
12 May 2023