

## New England Biolabs Certificate of Analysis

**Product Name:** *Endoproteinase GluC*  
**Catalog Number:** *P8100S*  
**Packaging Lot Number:** *10259266*  
**Expiration Date:** *09/2025*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *Supplied in dry format from a Tris-HCl and sodium chloride buffer, pH 8*  
**Specification Version:** *PS-P8100S v2.0*

Endoproteinase GluC Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8100SVIAL	Endoproteinase GluC	10254253	Pass
B8100SVIAL	GLuC Reaction Buffer	10228132	Pass

Assay Name/Specification	Lot # 10259266
<b>Functional Testing (Cytochrome C Digestion)</b> A 20 µl reaction in 20 mM TrisHCl, 0.5 mM Glu-Glu (pH 8.0 @ 25°C) containing 2 µg of Cytochrome C protein and 0.1 µg of Endoproteinase GluC incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.	Pass
<b>Functional Testing (Peptide Digestion)</b> A 20 µl reaction in 20 mM TrisHCl, 0.5 mM Glu-Glu (pH 8.0 @ 25°C) containing 1 µg of ACTH(1-17) peptide and 0.1 µg of Endoproteinase GluC incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Beth M. Paschal*

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Beth Paschal  
Production Scientist  
13 Sep 2024

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
16 Sep 2024