

New England Biolabs Certificate of Analysis

Product Name: *N-Glycopeptide Binding Protein*
Catalog Number: *P0872S*
Concentration: *1 mg/ml*
Packaging Lot Number: *10236187*
Expiration Date: *03/2026*
Storage Temperature: *-20°C*
Storage Conditions: *20 mM Tris-HCl, 50 mM NaCl, 0.2 mM TCEP (pH 8.0 @ 25°C)*
Specification Version: *PS-P0872S v1.0*

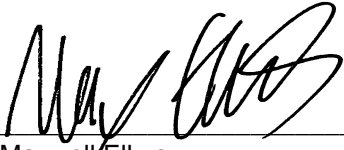
N-Glycopeptide Binding Protein Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0872SVIAL	N-Glycopeptide Binding Protein	10235415	Pass

Assay Name/Specification	Lot # 10236187
Functional Testing (N-Glycan Enrichment) A 200 µl reaction in 20 mM Tris-HCl, 50 mM NaCl, 0.2 mM TCEP, 10% acetonitrile, pH 8.0 containing 1 nmol of fluorescently labeled sialylglycopeptide and 100 µg N-Glycopeptide Binding Protein incubated for 30 minutes at 4°C results in ≥40% enrichment as determined by UV-Vis Spectroscopy at 520 nm.	Pass
Glycosidase Activity (PNGase F) A 10 µl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled PNGase F substrate (Fluoresceinated fetuin triantennary) and 100 µg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.	Pass
Glycosidase Activity (α-Neuraminidase) A 10 µl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled α-Neuraminidase substrate (Neu5Acα2-3Galβ1-3GlcNAcβ1-3Galβ1-4Glc-AMC) and 100 µg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.	Pass
Glycosidase Activity (α1-3 Galactosidase) A 10 µl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled α-Galactosidase substrate (Galα1-3Galβ1-4GlcNAc-AMC) and 100 µg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.	Pass

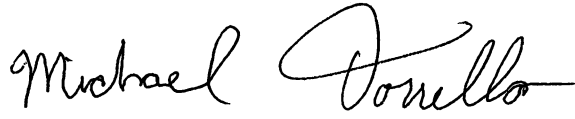
Assay Name/Specification	Lot # 10236187
<p>Glycosidase Activity (α1-6 Galactosidase) A 10 μl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled α-Galactosidase substrate (Galα1-6Galα1-6Glcα1-2Fru-AMC) and 100 μg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (β-N-Acetylglucosaminidase) A 10 μl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled β-N-Acetylglucosaminidase substrate (GlcNAcβ1-4GlcNAcβ1-4GlcNAc-AMC) and 100 μg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (β1-3 Galactosidase) A 10 μl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled β-Galactosidase substrate (Galβ1-3GlcNAcβ1-4Galβ1-4Glc-AMC) and 100 μg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (β1-4 Galactosidase) A 10 μl reaction in Glyco Buffer 1 containing 1 nM of fluorescently-labeled β-Galactosidase substrate (Galβ1-4GlcNAcβ1-3Galβ1-4Glc-AMC) and 100 μg of N-Glycopeptide Binding Protein incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Protein Purity Assay (SDS-PAGE) N-Glycopeptide Binding Protein is \geq 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.</p>	Pass

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

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Maxwell Elkus
Production Scientist
08 Mar 2024



Michael Tonello
Packaging Quality Control Inspector
12 Mar 2024