

## New England Biolabs Certificate of Analysis

**Product Name:** CLIP-Surface™ 547  
**Catalog Number:** S9233S  
**Packaging Lot Number:** 10061368  
**Expiration Date:** 11/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-S9233S v4.0

CLIP-Surface™ 547 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9233SVIAL	CLIP-Surface™ 547	10058212	Pass

Assay Name/Specification	Lot # 10061368
<b>Physical Purity (HPLC)</b> CLIP-Surface™ 547 is ≥ 80% pure as determined by HPLC analysis.	Pass
<b>In Vitro Protein Labeling</b> A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of CLIP-tag® Purified Protein and a minimum of 10 µM of CLIP-Surface™ 547 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
<b>Identity (Mass Spectrometry)</b> The observed molecular mass of CLIP-Surface™ 547 is 828.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass

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

*Christopher R. Provost*

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Chris Provost  
Production Scientist  
22 Nov 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
10 Dec 2019