

New England Biolabs Certificate of Analysis

Product Name: CLIP-Surface™ 647
Catalog Number: S9234S
Lot Number: 10015091
Expiration Date: 08/2021
Storage Temperature: -20°C
Specification Version: PS-S9234S v2.0

CLIP-Surface™ 647 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9234SVIAL	CLIP-Surface™ 647	10019532	Pass

Assay Name/Specification	Lot # 10015091
Cellular Protein Labeling (Cell Surface) Mammalian cells transfected with pCLIPf-NK1R expressing the gene encoding the seven-pass transmembrane protein Neurokinin-1 receptor (NK1R) (cell surface) were labeled with 5 µM CLIP-Surface™ 647 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.	Pass
Cellular Protein Labeling (Intracellular) Mammalian cells transfected with pCLIPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 µM CLIP-Surface™ 647 for 1 hour and visualized by fluorescence microscopy resulting in no intracellular labeling.	Pass
Identity (Mass Spectrometry) The observed molecular mass of CLIP-Surface™ 647 is 854.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass
In Vitro Protein Labeling 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™ 647 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
Physical Purity (HPLC) CLIP-Surface™ 647 is ≥ 80% pure as determined by HPLC analysis.	Pass

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

Christopher R. Provost

Chris Provost
Production Scientist
20 Aug 2018

Josh Hersey

Josh Hersey
Packaging Quality Control Inspector
20 Aug 2018