

New England Biolabs Product Specification

Product Name: SNAP-Cell[®] 430
Catalog #: S9109S
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-S9109S v1.0
Effective Date: 05 Mar 2018

Assay Name/Specification (minimum release criteria)

Cellular Protein Labeling (Cell Surface) - Mammalian cells transfected with pSNAPf-ADRB₂ expressing Beta-2 adrenergic receptor (cell surface) were labeled with 5 μM SNAP-Cell[®] 430 for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.

Cellular Protein Labeling (Intracellular) - Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 μM SNAP-Cell[®] 430 for 1 hour and visualized by fluorescence microscopy resulting in the expected intracellular labeling.

Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Cell[®] 430 is 513.2 Da +/- 1 Da as determined by mass spectrometry analysis.

In Vitro Protein Labeling - A 50 μl reaction in 1X PBS and 1 mM DTT containing 5 μM of SNAP-tag[®] Purified Protein and a minimum of 10 μM of SNAP-Cell[®] 430 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection or gel shift after silver staining.

Physical Purity (HPLC) - SNAP-Cell[®] 430 is ≥ 90% pure as determined by HPLC analysis.



Date 05 Mar 2018

Derek Robinson
Director of Quality Control

