HyLink™ BirA Biotin Labeling Kit, 100 µg*20

Catalog Number	LDG0021RC
Package	100 µg*20 / Customized package

For full product information, images and publications, please visit our website.

Overview

Description

The HyLink™ BirA Biotin Labeling Kit for Avi-tag Proteins provides a highly efficient, specific, and reproducible solution for biotinylating recombinant proteins or peptides containing Avi-tags or other enzymatic biotinylation tags such as Biotag™. This kit utilizes the biotin ligase enzyme BirA, which specifically and uniformly attaches biotin to a lysine residue within the Avi-tag sequence. Compared to traditional chemical biotinylation methods, this enzymatic approach offers site-specific labeling, minimizes variability between batches, and preserves the biological activity and structural integrity of the target protein.

Components

Item	Amount	Quantity
GST-BirA(1 mg/mL)	40 µL	2 vial
10x Reaction buffer	1 mL	2 vial

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Image

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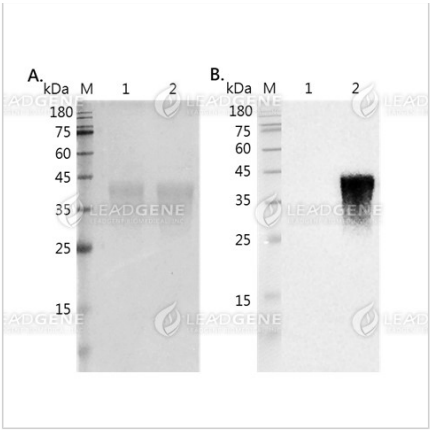
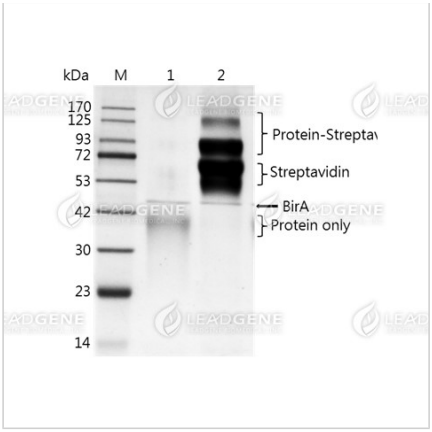


The biotinylation efficiency of proteins was analyzed by (A) SDS-PAGE and (B) Western blot using Streptavidin-HRP as a probe.
Lane 1: Biotin unconjugated proteins
Lane 2: Biotin conjugated proteins using LDG0021RC



Protein biotinylation efficiency was analyzed using a Streptavidin gel shift assay.
Lane 1: Biotin-conjugated proteins, without Streptavidin
Lane 2: Biotin-conjugated proteins, with Streptavidin

Disclaimer : For Research Use or Further Manufacturing Only.

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