

## HyLink™ BirA Biotin Labeling Kit

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 (lyophilized)	40 µg	1 vial
Reconstitution buffer	0.2 mL	1 vial
10X Reaction buffer	1.5 mL	1 vial
SpinDesalt Column	pcs	16 pcs

### 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.

#### Tainan Headquarters

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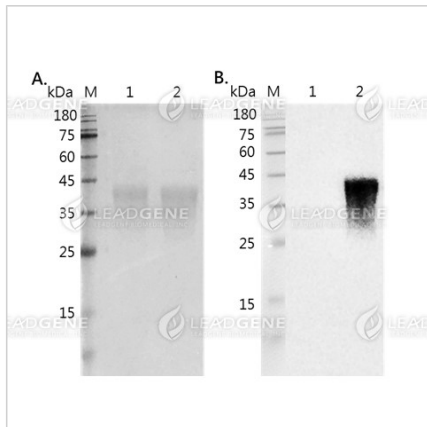
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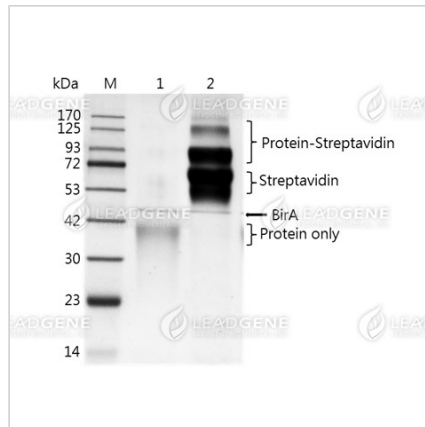
## Image



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

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