

N-terminal Biotin-Ubiquitin

Catalog No.: RP10199DLQ

Sequence Information

Species	Gene ID	Swiss Prot
Human		P0CG47

Tags

No Tag

Synonyms

Ub

Product Information

Source	Purification
chemical synthesis	> 95% by HPLC

Endotoxin

Formulation

20 mM Tris, 100 mM NaCl, 10% glycerol
□pH 7.6 at 4 °C□

Reconstitution

Background

A single biotin moiety is conjugated on the N-terminus of ubiquitin. All lysine residues of ubiquitin are still available for formation of polyubiquitin chains. The extremely high binding affinity between biotin and streptavidin allows the use of N-terminal biotin-ubiquitin for the following in vitro assays: 1) rapid and efficient purification of polyubiquitinated substrate proteins; 2) monitoring substrate ubiquitination using an HRP-conjugated streptavidin antibody; and 3) setting up high throughput FRET assays to monitor substrate ubiquitination in assays screening E3 ubiquitin ligase inhibitors.

Basic Information

Description

Bio-Activity

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

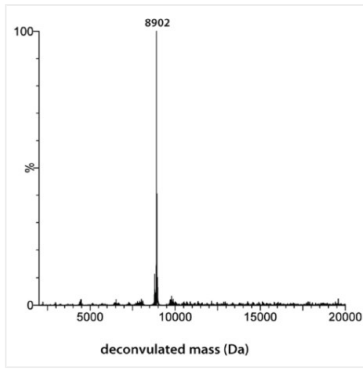
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Validation Data



LC-MS of N-terminal Biotin-Ubiquitin.