

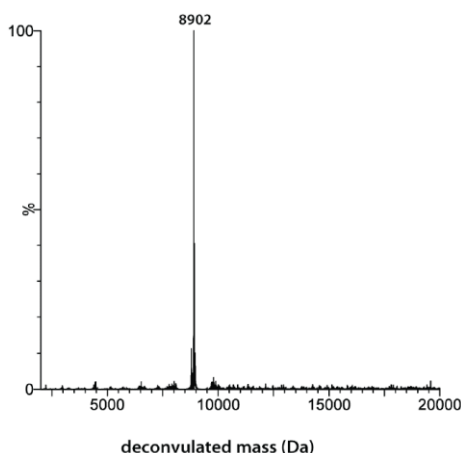
N-terminal Biotin-Ubiquitin

Cat. # E1140, E1141

Also Known as:	Biotin-Ub
NCBI Reference:	N/A
MW (no tag):	8.9 kDa
Species:	Human
Source:	Synthetic
Tag:	No
Stock Buffer:	20 mM Tris, pH 7.6 at 4 °C, 100 mM NaCl, 10% glycerol
Concentration:	1 mg/ml in aqueous buffer
Quality Assurance:	> 95% by HPLC

Description: 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.

Image:



LC-MS of N-terminal Biotin-Ubiquitin

Storage: Store at -80°C; avoid multiple freeze-thaw cycles

Use: Depending on ubiquitination assay conditions, N-terminal biotin-ubiquitin can be used in conjunction with wild type ubiquitin at a combined concentration range of 20-50 μ M with a 1:4 to 1:20 ratio of N-terminal biotin-Ub: wild type ubiquitin.

