Recombinant Human UB Protein, Biotin-tagged

Cat. No. UB-391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UB Protein is produced by Bacteria expression system. This protein is fused with a Biotin tag at the N-terminal.
Species	Human
Source	E.coli
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.
Form	20 mM Tris, pH 7.6 at 4 centigrade, 100 mM NaCl, 10% glycerol
Molecular Mass	8.9 kDa
Purity	> 95% by HPLC
Usage	Depending on ubiquitination assay conditions, N-terminal biotin-ubiquitin can used in conjunction with wild type ubiquitin at combined concentration range of 20-50 μM with a 1:4 to 1:20 ratio of N-terminal biotin-Ub: wild type ubiquitin.

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Storage	Store at -80 centigrade; avoid multiple freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Synonyms	Ubiquitin
UB-391H	LC-MS of N-terminal Biotin-Ubiquitin

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