Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Biotinylated Tetra-Ub/Ub4 WT Chains (K48-linked)
Cat. # UCB-210

Linkage specific Tetra-Ub can also be used to investigate mechanism of binding and recognition by E1 or E2 enzymes, deubiquitinating enzymes, E3 ligases or other proteins that contain ubiquitin-associated domains (UBAs) or ubiquitin-interacting motifs (UIMs). This product is formed with wild-type ubiquitin and linkage-specific enzymes. Tetra-Ub is the minimal unit necessary for recognition by the 26S proteasome and contains structural characteristic (such as repeating hydrophobic patches) not present in di-Ub. This product is made with wild-type human recombinant ubiquitin and linkage-specific enzymes. These chains are modified with biotin via primary amine coupling. This results in multiple biotinylated species modified at the N-terminus, as well as lysine residues. Biotinylated ubiquitin can be detected using avidin-linked reagents.

Product Information	
Quantity:	25 µg, lyophilized powder
Solubility:	Aqueous solutions up to 5 mg/ml
Purity:	> 90% by SDS-PAGE
MW:	34 kDa

Use & Storage	
Use:	Typical concentrations will depend on specific assay conditions and method of detection.
Storage:	Solubilized solution at –20°C. Avoid multiple freeze/thaw cycles.

Literature

References:

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Piotrowski J. *et al.* (1997) J. Biol. Chem. **272**:23712-23721
Tenno T., *et al.* (2004) Genes to Cells. **9**:865-875
Wilkinson K.D., *et al.* (1995) Biochem. **34**:14535-14546

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