Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Poly-ubiquitin chains (Ub_{1-7}, K48-linked)
Cat. # UC-240

Linkage specific poly-ubiquitin chains are used to investigate mechanisms of chain recognition, binding and hydrolysis by the proteasome, deubiquitinating enzymes, E3 ligases or other proteins that contain ubiquitin-associated domains (UBAs) or ubiquitin-interacting motifs (UIMs). Lys48-linked chains are abundant *in vivo* and act as a universal signal for proteasomal degradation. This product is formed with wild-type human recombinant ubiquitin and linkage-specific enzymes. The poly-ubiquitin chain mixture contains mono-ubiquitin and higher MW species up to hepta-ubiquitin.

Product Information

Quantity:	100 µg, lyophilized powder
Solubility:	Aqueous solutions up to 5 mg/ml
Purity:	> 95% by SDS-PAGE

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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Tenno T., *et al.* (2004) Genes to Cells. **9**:865-875
Throwe J.S., *et al.* (2000) EMBO. J. **19**:94-102
Van Nocker S., *et al.* (1993) J. Biol. Chem. **268**:24766-24773
Wilkinson K.D., *et al.* (1995) Biochem. **34**:14535-14546

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