

Lot # XXXXX

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MATERIAL DATA SHEET

Ubiquitin Mutant L73P, *human recombinant*

Cat. # UM-L73P

This ubiquitin (Ub) contains a mutation of leucine 73 to proline. Ub L73P can form an E1-catalyzed active thioester at the C-terminus allowing the molecule to be transferred to E2 carrier proteins, and possibly to E3 ligases and their substrates. Polyubiquitin chains generated using L73P are highly resistant to disassembly by deubiquitinases. Potential uses of this protein include generating ubiquitin conjugates that are more stable than their native counterparts in the presence of deubiquitinase enzymes.

Product Information

Quantity:	1 mg, lyophilized powder
MW:	8.5 kDa
Solubility:	Aqueous solutions of at least 10 mg/ml
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical concentration to support <i>in vitro</i> conjugation is 500 μ M to 1 mM depending on conditions
Storage:	Lyophilized powder at 4°C. Solubilized stock solution at -20°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Bekes M. & Huang T. (2012) Poster session presented at FASEB Ubiquitin and Cellular Regulation, Saxtons River, VT Russell N., <i>et al.</i> (2012) Poster session presented at FASEB Ubiquitin and Cellular Regulation, Saxtons River, VT
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