
MATERIAL DATA SHEET

Poly-ubiquitin chains (Ub₁₋₇, K63-linked)**Cat. # UC-340**

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). Lys63-linked poly-ubiquitin has been implicated in several non-degradative processes such as receptor endocytosis and sorting, translation, DNA damage repair, the stress response and signaling in the NFκB pathway. 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:	Chen Z.J., <i>et al.</i> (2004) <u>Can. Biol. Ther</u> 3 :286-288
	Deng L., <i>et al.</i> (2000) <u>Cell</u> 103 :351-361
	Hofman L., <i>et al.</i> (2001) <u>J. Biol. Chem.</u> 276 :27936-43
	Spence J., <i>et al.</i> (1995) <u>Mol. Cell. Biol.</u> 15 :1265-1273
	Tenno T., <i>et al.</i> (2004) <u>Genes to Cells.</u> 9 :865-875
	Varadan R., <i>et al.</i> (2004) <u>J. Biol. Chem.</u> 279 :7055-7063

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