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**MATERIAL DATA SHEET**

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**Poly-ubiquitin chains (Ub<sub>2-7</sub>, K63-linked)  
Cat. # UC-330**

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. This mixture of poly-ubiquitin chains contains di-ubiquitin and higher MW species; mono-ubiquitin has been removed.

**Product Information**

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

**Use & Storage**

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

**Literature**

<b>References:</b>	Chen Z.J., <i>et al.</i> (2004) <u>Can. Biol. Ther</u> <b>3</b> :286-288
	Deng L., <i>et al.</i> (2000) <u>Cell</u> <b>103</b> :351-361
	Hofman L., <i>et al.</i> (2001) <u>J. Biol. Chem.</u> <b>276</b> :27936-43
	Spence J., <i>et al.</i> (1995) <u>Mol. Cell. Biol.</u> <b>15</b> :1265-1273
	Tenno T., <i>et al.</i> (2004) <u>Genes to Cells.</u> <b>9</b> :865-875
	Varadan R., <i>et al.</i> (2004) <u>J. Biol. Chem.</u> <b>279</b> :7055-7063

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