

MATERIAL DATA SHEET**Tetra-ubiquitin (mixed linkage), (Ub-K63-Ub-K48-Ub-K63-Ub))
Cat. # UCM-210**

Tetra-Ub can be used to investigate mechanisms of binding and recognition by deubiquitinating enzymes, E3 ligases or other proteins that contain ubiquitin-associated domains (UBAs) or ubiquitin-interacting motifs (UIMs). 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, which results in one K48-linkage between two K63-linkages.

Product Information

Quantity:	25 µg, lyophilized powder
Solubility:	Aqueous solutions up to 5 mg/ml
Purity:	> 95% 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:	Beal R.E., <i>et al.</i> (1995) <u>Biochem.</u> 37 :2925-2934
	Cook W. J., <i>et al.</i> (1992) <u>J. Biol. Chem.</u> 267 :16467-16471
	Cook W. J. <i>et al.</i> (1994) <u>J. Mol. Biol.</u> 236 :601-609
	Phillips C. L., <i>et al.</i> (2001) <u>Acta. Cryst.</u> 57 :341-344
	Piotrowski J. <i>et al.</i> (1997) <u>J. Biol. Chem.</u> 272 :23712-23721
	Tenno T., <i>et al.</i> (2004) <u>Genes to Cells.</u> 9 :865-875
	Wilkinson K.D., <i>et al.</i> (1995) <u>Biochem.</u> 34 :14535-14546

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