

MATERIAL DATA SHEET**Ubiquitin Mutant with K29 only, *human recombinant***
Cat. # UM-K290

This ubiquitin mutant contains only a single lysine, K29, with all other lysines mutated to arginine. This mutation renders ubiquitin able to form poly-ubiquitin chains with other ubiquitin molecules only via the K29 lysine.

Product Information

Quantity:	1 mg, lyophilized powder
MW:	8.5 kDa
Solubility:	Soluble and stable in aqueous buffers up to 10 mg/ml.
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical concentrations for non rate-limiting support of <i>in vitro</i> conjugation reactions range from 200 μ M-1 mM depending on experimental conditions.
Storage:	Store at -20°C after solubilization in desired buffer. Avoid multiple freeze/thaw cycles.

Literature

References:	Arnason T., <i>et al.</i> (1994) <u>Mol. Cell. Biol.</u> 14 :7876-7883 Spence J., <i>et al.</i> (1995) <u>Mol. Cell. Biol.</u> 15 :1265-1273 Russel N.S., <i>et al.</i> (2004) <u>Biochemistry</u> 43 :4844-4854
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