

MATERIAL DATA SHEET**Ubiquitin Mutant with K6 only, *human recombinant***
Cat. # UM-K60

This ubiquitin mutant contains only a single lysine, K6, with all other lysines mutated to arginine. This mutation renders ubiquitin able to form poly-ubiquitin chains with other ubiquitin molecules only via the K6 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:	Baboshina D.V., <i>et al.</i> (1996) <i>J.Biol.Chem.</i> 271 :2823-2831 Morris J.R., <i>et al.</i> (2004) <i>Hum. Mol. Genet.</i> 13 :807-817 Wu-Baer F., <i>et al.</i> (2003) <i>J. Biol. Chem.</i> 278 :34743-34746
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