

Lot # XXXXXX

BostonBiochem

## MATERIAL DATA SHEET

### **His<sub>6</sub>-Ubiquitin Mutant with K6 only, *human recombinant*** **Cat. # UM-HK60**

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

<b>Quantity:</b>	1 mg, lyophilized powder
<b>MW:</b>	9.3 kDa
<b>Solubility:</b>	Soluble and stable in aqueous buffers up to 5 mg/ml.
<b>Purity:</b>	> 95% by SDS-PAGE

#### Use & Storage

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

#### Literature

<b>References:</b>	Baboshina D.V., <i>et al.</i> (1996) <i>J.Biol.Chem.</i> <b>271</b> :2823-2831 Morris J.R., <i>et al.</i> (2004) <i>Hum. Mol. Genet.</i> <b>13</b> :807-817 Wu-Baer F., <i>et al.</i> (2003) <i>J. Biol. Chem.</i> <b>278</b> :34743-34746
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