

Lot # XXXXX

BostonBiochem

## MATERIAL DATA SHEET

### His<sub>6</sub>-Ubiquitin Mutant with K29 only, *human recombinant* Cat. # UM-HK290

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

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