Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

His_6-Ubiquitin Mutant K63R, *human recombinant*
Cat. # UM-HK63R

Mutation of lysine 63 to arginine renders ubiquitin (Ub) unable to form poly-Ub chains via lysine 63 linkages with other Ub molecules. Ub K63R can form an E1-catalyzed active thioester at the C-terminus allowing the molecule to be transferred to the lysines of substrate proteins. Ideal for the reduction in poly-Ub chain length/conjugation rates and determining if poly-Ub chains are K63 linked.

Product Information

Quantity: 1 mg, lyophilized powder

MW: 8.5 kDa

Solubility: Soluble and stable aqueous buffers up to 10 mg/ml.

Purity: > 95% by SDS-PAGE

Use & Storage

Use: Typical concentrations for non rate-limiting support of *in vitro* conjugation reactions range from 200 µM-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., *et al.* (1994) Mol. Cell. Biol. **14**:7876-7883
Spence J., *et al.* (1995) Mol. Cell. Biol. **15**:1265-1273

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