

## MATERIAL DATA SHEET

### GST Ubiquitin Mutant K63R

#### Cat. # UBM-GK63R

Mutation of lysine 63 to arginine renders ubiquitin (Ub) unable to form poly-Ub chains via lysine 63 linkages with other Ub molecules. UBM GK63R with an N-terminal GST-tag (glutathione S-transferase). GST-Ub allows for glutathione affinity purification of ubiquitinated molecules and allows for immuno- detection of conjugates using GST antibodies. UBM GK63R 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

**MW:** 35 kDa

**Concentration:** 2mg/mL

**Buffer:** 50mM PBS, pH7.0, 150mM NaCl

**Solubility:** Aqueous solutions up to 10 mg/ml

**Purity:** > 95% by SDS-PAGE

**Storage:** Store at -20°C. Avoid multiple **FREEZE/THAW** cycles.