

MATERIAL DATA SHEET

Ubiquitin Mutant K48C

Cat. # UBM-K48C

Mutation of lysine 48 to cystine renders ubiquitin (Ub) unable to form poly-Ub chains via lysine 48 linkages with other Ub molecules. Ub K48C 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 K48 linked.

Product Information

MW: 8.5 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.