

His6-Ubiquitin Mutant K48R

Cat: P20005

Size: 1mg

Storage: -20°C , avoid repeated freeze-thaw.

Introduction

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 (monoubiquitination). Ideal for the reduction in poly-Ub chain length/conjugation rates and determining if poly-Ub chains are K48 linked.

Product Parameter:

MW: 9.3kDa

Stock: Soluble and stable in aqueous buffers up to 10mg/mL.

Purity: > 95% by PAGE

Use: Typical concentrations for non rate-limiting support of in vitro conjugation reactions range from 200 μM-1mM depending on experimental conditions.

Note:

1. Transport conditions: low temperature.
2. If the biochemical reagents produced are not specially marked, they are basically non-sterile packaging. If used in cell experiments, please pre-treat them in advance.
3. Once the solution is prepared, please pack and store to avoid product failure caused by repeated freezing and thawing.
4. Product information is for reference only, if you have any questions, please call 400-968-6088 for consultation.
5. This product is for scientific research only. Do not use for medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.
6. For your safety and health, please wear a laboratory coat and disposable gloves and masks.