

GST Ubiquitin Mutant K48R

Cat: P20007

Size: 1mg

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

Introduction

Mutation of lysine 48 to arginine renders GST ubiquitin (Ub) unable to form poly-Ub chains via lysine 48 linkages with other Ub molecules. Ub GK48R 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. Ub GK48R 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: 35 kDa

Concentration: 2mg/mL

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

Solubility: Aqueous solutions up to 50 mg/mL

Purity: > 95% by SDS - PAGE

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.