

K48 polyUb Chain-binding Protein Identification / Validation Kit

Catalog No.: RP10209K

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | | |

proteins

Tags

Synonyms

Product Information

| Source | Purification |
|---------------------|-----------------------|
| E. coli recombinant | 95% based on SDS-PAGE |

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Reconstitution

Background

This kit is designed for two purposes: 1) identification of proteins that specially bind K48 polyUb chains in whole cell or tissue lysates; 2) validation of direct interactions between K48 polyUb chains and their binding proteins. The Non-cleavable K48 polyUb chain (2-4) are resistant of deubiquitination when incubating with whole cell or tissue lysates, thus allowing maximally capture proteins that specifically bind K48 polyUb chains. After binding, 6xHis-Non-cleavable K48 polyUb chains and the binding proteins can be enriched by Nickel XPure Agarose Resin (included). The bound proteins and the non-cleavable K48 polyUb chains can be eluted from Ni resin using a buffer containing 250 mM imidazole (included) or by incubating with thrombin (not included). Either of the elution method can significantly reduce the amounts of non-specific binding proteins when compared with elution using SDS sample buffer.

Basic Information

Description

Bio-Activity

Storage

This product is stable at $\leq -70^{\circ}\text{C}$ for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

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