

K48-Linked Tetra-Ubiquitin

Cat. No.: K1518272 | Pack size: 25 µg | Storage: Store at -80°C, Avoid repeated freezing and thawing

Product Information

Item	Description
Synonyms	K48 Tetra-Ubiquitin K48-Linked Tetra-Ubiquitin K48-linked tetra ubiquitin (Ub4)
Specifications & Purity	BioReagent, for protein analysis, ≥95%(WB), See COA
Stability And Storage	Store at -80°C long term (12 months)
Storage Conditions	Store at -80°C, Avoid repeated freezing and thawing
Shipped In	Dry ice packs + Cold packs This product requires cold chain shipping. Ground and other economy services are not available.

Product Description

Poly-ubiquitylation of target proteins through linkage at K48, is now the most thoroughly studied of the various chain linkages, and we once considered the hallmark of this post-translational modification. It is now clear that many, if not all, poly-Ub chain topologies likely play distinct and important roles in regulating cellular processes. Nevertheless, K48 linkage remains a critical pathway for the cells to maintain homeostasis through proteolytic degradation, and as such remains very intriguing for the study of DUBs that play a role in the degradation, as well as the proteasome itself.

These tetra-ubiquitin chains generated from the enzymatic linkage (E2-25K) of wild-type ubiquitin through lysine 48. The most distal ubiquitin contains an arginine substitution for a lysine at position 48, limiting chain length.

Application

Investigation of DUB linkage specificity.

Product Information

1. Species: Human.
2. Expression System: E. coli.
3. Tag: None.
4. Purity: > 95% by Western blot analysis.
5. Molecular Weight: 34,233.4 Da.
6. Physical State: Liquid.
7. Buffer: 20 mM Tris-HCl, pH 7.5, 0.15 M NaCl, 1 mM EDTA.
8. Quantity: 25 µg.
9. Solubility: >1 mg/mL.
10. Storage: -80°C. Avoid repeated freeze/thaw cycles.

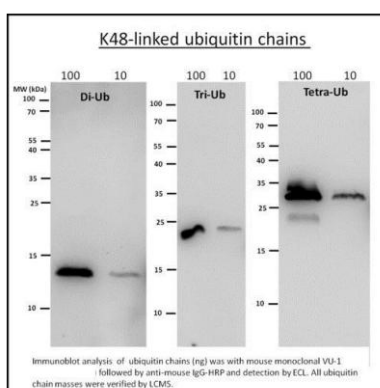


Figure 1. Western blot analysis

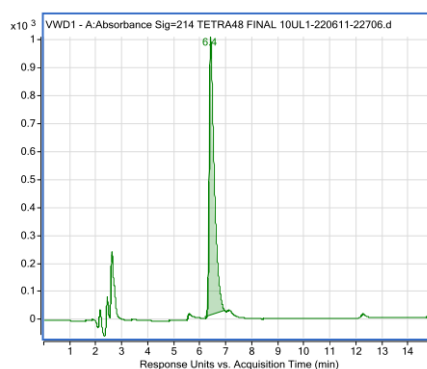


Figure 2. RP-HPLC Profile

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