

Synthetic K48-linked Poly-ubiquitin chains (Ub2-16)

Cat. No. Ubiquitin-04 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ubiquitin was polymerized through Lys48 using E1, UbcH5A, and the C-terminal domain of a specific HECT E3.
Source	Synthetic
Description	Polyubiquitin chains, linked through specific lysine residues, are useful tools for investigating the specificity and reactivity of deubiquitinating enzymes (DUBs) and the recognition and interaction of polyubiquitin modified proteins with ubiquitin binding domain (UBDs) containing proteins.
Form	Lyophilized
Applications	<p>For use in deubiquitinating enzyme assays and polyubiquitin binding studies.</p> <p>Suggested uses:</p> <ol style="list-style-type: none"> 1. Deubiquitinating enzyme substrates (general/linkage specific). 2. Investigation of polyubiquitin chain recognition by and interaction with ubiquitin binding proteins.
Notes	Due to the methods of synthesis and purification used it is likely that batch to batch variations in the exact amounts of each chain size present may occur. Although variation is most unlikely to be of any significant value, those wishing to guarantee reproducibility of results over an extended period of time are advised to purchase sufficient material for ongoing studies.
Stability	Store unopened vial at -20 centigrade until required for use.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

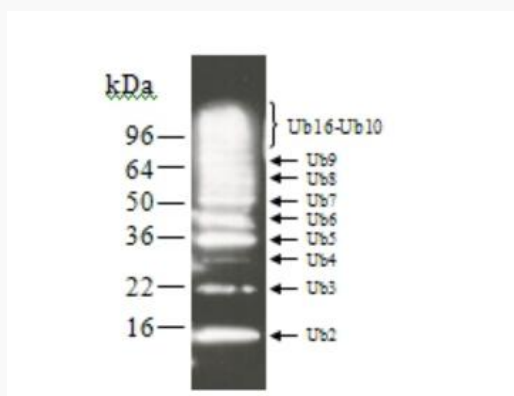
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Storage	Short Term Storage: -20 centigrade Long Term Storage: -20 centigrade
Reconstitution	It is recommended that the product be reconstituted at a moderately high protein concentration (>1 mg/mL) and in the presence of buffer. If a more dilute reagent is required, the inclusion of an inert carrier protein (e.g. ovalbumin at 0.5-1.0 mg/mL) in the storage buffer is recommended in order to minimise loss of the reagent due to absorption.
Handling	Avoid freeze/thaw cycles.
Shipping	Shipped on Blue Ice

GENE INFORMATION

Official Symbol	Ubiquitin
Synonyms	Ubiquitin; UBB; UBC; Poly-ubiquitin; Ub2-16

WB



Western blot of K48-linked polyubiquitin chains (Ub2-16), detected by ubiquitin polyclonal antibody

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