
MATERIAL DATA SHEET

His6-PolyUb WT Chains (2-7,K48-linked)**Cat. # UCH-230**

Linkage specific poly-ubiquitin chains are used to investigate mechanisms of chain recognition, binding and hydrolysis by the proteasome, deubiquitinating enzymes, E3 ligases or other proteins that contain ubiquitin-associated domains (UBAs) or ubiquitin-interacting motifs (UIMs). Lys48-linked chains are abundant *in vivo* and act as a universal signal for proteasomal degradation. This product is formed with His₆-tagged wild-type human recombinant ubiquitin and linkage-specific enzymes. This mixture of poly-ubiquitin chains contains di-ubiquitin and higher MW species; mono-ubiquitin has been removed. The His₆-tag is convenient for metal chelate affinity purification and immuno-detection using His₆-specific antibodies.

Product Information

Quantity:	100 µg, lyophilized powder
Solubility:	Aqueous solutions up to 5 mg/ml
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical concentrations will depend on specific assay conditions and method of detection.
Storage:	Solubilized solution at -20°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Chan N., <i>et al.</i> (2001) <u>Nature. Struc. Biol.</u> 8 :650-652 Piotrowski J., <i>et al.</i> (1997) <u>J. Biol. Chem.</u> 272 :23712-23721 Tenno T., <i>et al.</i> (2004) <u>Genes to Cells.</u> 9 :865-875 Throwe J.S., <i>et al.</i> (2000) <u>EMBO. J.</u> 19 :94-102 Van Nocker S., <i>et al.</i> (1993) <u>J. Biol. Chem.</u> 268 :24766-24773 Wilkinson K.D., <i>et al.</i> (1995) <u>Biochem.</u> 34 :14535-14546
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