Recombinant Human K48-Linked Di-Ubiquitin, Biotinylated

Cat. No. Di-Ubiquitin-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Biotinylated Human K48-Linked Di-Ubiquitin without tag was expressed in E. coli.
Species	Human
Source	E.coli
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, the K48 linkage remains a critical pathway for 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 diubiquitin chains generated from the enzymatic linkage of wild-type ubiquitin through lysine 48. The most distal ubiquitin contains an arginine substitution for the lysine at position 48, limiting chain length.
Form	Liquid
Molecular Mass	17139.7 Da
Applications	Optimization of pull-down conditions for anti-K48 TUBE and anti K63-TUBE reagents
Storage	At -80 centigrade, avoid freeze/thaw cycles

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Storage Buffer	Phosphate Buffered Saline pH 7.4
Conjugation	Biotin

GENE INFORMATION

Official Symbol	Di-Ubiquitin
Synonyms	Di-Ubiquitin; Ubiquitin; UBB
SDS-PAGE	

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