Recombinant Human Di-Ubiquitin Protein (K48-Linked)

Cat. No. Di-Ubiquitin-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Di-Ubiquitin Protein (K48-Linked) 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, 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 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	17,139.7 Da
Purity	≥ 95% by Western blot analysis
Storage	At -80 centigrade, avoid freeze/thaw cycles

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Storage Buffer	20 mM Tris pH 7.5, 150 mM NaCl, 1 mM EDTA

GENE INFORMATION

Official Symbol	Di-Ubiquitin
Synonyms	Di-Ubiquitin; Ub2

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