# Recombinant Human Di-Ubiquitin Protein (Non-Cleavable Linear), 6×His-tagged

**Cat. No.** Di-Ubiquitin-47H **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Recombinant Human Di-Ubiquitin Protein (Non-Cleavable Linear) with 6×His tag was expressed in E. coli. Recombinant linear chains of defined length expressed in E. coli and purified to homogeneity. Amide linkages join the N- and C-terminus of each ubiquitin molecule to each other. This molecule is His-tagged at the N-terminus of the most distal ubiquitin. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | A wide range of cellular processes are modulated through the generation and attachment of polyubiquitin (polyUb) chains to target proteins. Increasing evidence suggests that polyUb chains joined through linear peptide bonds between the C-terminus of a ubiquitin and the N-terminus of another play important functional roles. The enzyme machinery responsible for the generation of linear polyUb chains has been termed LUBAC, consisting of HOIL-1L and HOIP. Chains of these type have an open conformation, similar to polyUb K63, but with very distinct functional properties. Linear polyUb chains are cleaved by the deubiquitylases CYLD, USP5 (IsoT), USP2 and have been shown to bind to many UBDs including NEMO and Trabin-n (3xnzf). These specific chains are not cleaved by the linear specific deubiquitylase Otulin and have applications as a control. |
| **Molecular Mass** | 17,786.2 Da |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **Storage** | At -80 centigrade, avoid freeze/thaw cycles |
| **Storage Buffer** | 20 mM Tris pH 7.5, 150 mM NaCl, 1 mM EDTA |

## GENE INFORMATION

| | |
|---|---|
| **Official Symbol** | Di-Ubiquitin |
| **Synonyms** | Di-Ubiquitin; Ub2 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA