

## Recombinant Human Di-Ubiquitin Protein (DUB-Resistant K63-Linked)

**Cat. No.** Di-Ubiquitin-36H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Di-Ubiquitin Protein (DUB-Resistant K63-Linked) without tag was expressed in E. coli. The product contains a wild-type C-terminus on the proximal ubiquitin. This product is made-to-order.                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | DUB-resistant K63-linked di-ubiquitin (Ub <sub>2</sub> ) contains an amino acid substitution near the C-terminus of the distal ubiquitin that renders it resistant to deubiquitylases (DUBs). DUB-resistant ubiquitin chains are ideal reagents for structural or binding studies with deubiquitylases or other ubiquitin binding proteins. They can also be used as inhibitors or to determine the linkage-specificity of DUBs. |
| <b>Molecular Mass</b>   | 17,123.7 Da                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | ≥ 90% by RP-HPLC                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Structural or binding studies with deubiquitylases and other ubiquitin binding proteins. Inhibition or determination of linkage-specificity of DUBs                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | At -80 centigrade, avoid freeze/thaw cycles                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-----------------------|-------------------------------------------|
| <b>Storage Buffer</b> | 20 mM Tris pH 7.5, 150 mM NaCl, 1 mM EDTA |
|-----------------------|-------------------------------------------|

## GENE INFORMATION

|                        |              |
|------------------------|--------------|
| <b>Official Symbol</b> | Di-Ubiquitin |
|------------------------|--------------|

|                 |                   |
|-----------------|-------------------|
| <b>Synonyms</b> | Di-Ubiquitin; Ub2 |
|-----------------|-------------------|

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