

## Single Lysine Ubiquitin Panel

**Cat. No.** Ubiquitin-12H    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>         | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>    | Ubiquitin is a small polypeptide that can be conjugated via its C-terminus to the primary amine groups of a lysine residue on target proteins. This covalent attachment is referred to as monoubiquitylation. Additional ubiquitin moieties can subsequently be conjugated to this initial ubiquitin, utilizing any one (of seven) lysine residue on the surface of ubiquitin. The formation of these ubiquitin chains is referred to as polyubiquitylation. |
| <b>Molecular Mass</b> | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>         | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>   | Characterization of proteins responsible for ubiquitin conjugation or removal Ligand binding studies with ubiquitin related proteins Characterization of linkage type for target protein profiling of E2/E3 interactions Characterization of E3 polyubiquitylation activity Tag-free recombinant ubiquitin                                                                                                                                                   |
| <b>Solubility</b>     | > 50 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>        | At -80 centigrade, avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|-----------------------|-------------|
| <b>Storage Buffer</b> | PBS, pH 7.4 |
|-----------------------|-------------|

## GENE INFORMATION

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|-----------------|----------------|
| <b>Synonyms</b> | Ubiquitin; Ubb |
|-----------------|----------------|

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