

## N-terminal E2 ubiquitin-conjugating enzyme

Cat. No. EXWM-2299

Lot. No. (See product label)

### Introduction

**Description** The enzyme ubiquitinylates the N-terminus of the acceptor protein. It is not reactive towards free lysine.

**Synonyms** Ube2w; N-terminal ubiquitin-conjugating enzyme E2

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.3.2.25

**Reaction** S-ubiquitinyl-[E1 ubiquitin-activating enzyme]-L-cysteine + [acceptor protein]-N-terminal-amino acid = [E1 ubiquitin-activating enzyme]-L-cysteine + N-terminal-ubiquitinyl-[acceptor protein] (overall reaction); (1a) S-ubiquitinyl-[E1 ubiquitin-activating enzyme]-L-cysteine + [N-terminal E2 ubiquitin-conjugating enzyme]-L-cysteine = [E1 ubiquitin-activating enzyme]-L-cysteine + S-ubiquitinyl-[N-terminal ubiquitin-conjugating enzyme]-L-cysteine; (1b) S-ubiquitinyl-[N-terminal E2 ubiquitin-conjugating E2 enzyme]-L-cysteine + [acceptor protein]-N-terminal-amino acid = [N-terminal E2 ubiquitin-conjugating enzyme]-L-cysteine + N-ubiquitinyl-[acceptor protein]-N-terminal amino acid

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.