

E2 ubiquitin-conjugating enzyme

Cat. No. EXWM-2297

Lot. No. (See product label)

Introduction

Description

The E2 ubiquitin-conjugating enzyme acquires the activated ubiquitin from the E1 ubiquitin-activating enzyme (EC 6.2.1.45) and binds it via a transthioesterification reaction to itself. In the human enzyme the catalytic center is located at Cys-87 where ubiquitin is bound via its C-terminal glycine in a thioester linkage.

Synonyms

ubiquitin-carrier-protein E2; UBC (ambiguous); ubiquitin-conjugating enzyme E2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.2.23

Reaction

S-ubiquitinyl-[E1 ubiquitin-activating enzyme]-L-cysteine + [E2 ubiquitin-conjugating enzyme]-L-cysteine = [E1 ubiquitin-activating enzyme]-L-cysteine + S-ubiquitinyl-[E2 ubiquitin-conjugating enzyme]-L-cysteine

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.