

Product Name: UBE2W

Alternate Names: UBC16

Product Code: TE2-147

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

UBE2W has been verified for use in *in vitro* ubiquitylation assays, N-terminal mono-ubiquitylation, E2 / E3 activity assays, and initiation of substrate ubiquitylation for subsequent ubiquitin-chain extension.

Physical Characteristics

Species: Human

Predicted MW (kDa): 17 kDa

Source: *E. coli* BL21

Purity: 90 %

Tag: Untagged

Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

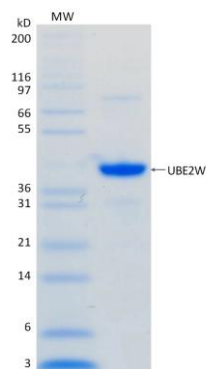
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Ubiquitin-conjugating enzyme E2 W



2 µg UBE2W run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Verified in Ubiquitin Charging Assay.

Background

Description

UBE2W is a human ubiquitin-conjugating E2 enzyme that preferentially catalyzes ubiquitylation of accessible protein N-termini. It is useful for reconstituting and studying non-canonical ubiquitylation, E2 / E3 activity, and ubiquitin-chain initiation.

Accession Number: Q96B02

Entrez Gene ID: UBE2W

Protein Sequence

GMASMQKRLQKELLALQNDPPPGMTLNEKSVQNSITQWIVDMEGAPGTLYEGEKFQLLFKFSS
RYPFDSPQVMFTGENIPVHPHVYSNGHICLSILTEDWSPALSVQSVCLSIISMLSSCKEKRRP
PDNSFYVRTC�KNPKKTKWWYHDDTC