

# Recombinant Human Ubiquitin-conjugating enzyme E2 E1/UBE2E1 protein

Catalog No.: RP10041LQ Recombinant

# **Sequence Information**

**Species Gene ID Swiss Prot** Human 7324 P51965

**Tags** NO-Tag

**Synonyms** 

UBE2E1; UBCH6; Ubiquitin-conjugating enzyme E2 E1

# **Product Information**

**Source** Purification *E. coli* ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

21.28 kDa 20-30 kDa

Endotoxin

 $< 0.01 \; \text{EU/}\mu\text{g}$  of the protein by LAL method

#### **Formulation**

 $0.22~\mu m$  filtered solution of 50 mM HEPES pH 7.5, 200 mM NaCl, 10% Glycerol (v/v), 1 mM TCEP.

## Reconstitution

#### **Contact**

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## **Background**

Ube2E1 is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. Ube2E1 was found to locate in the nucleus. It, along with Ube2D1, is known to complex with the E3 ligase Ro52 to ubiquitinate interferon regulatory transcription factors IRF3 and IRF8. Ube2E1 can also complex with a Ub ligase called RING105 to ubiquitinate a tumor suppressor known as tumor suppressing subchromosomal transferable fragment cDNA (TSSC5).

## **Basic Information**

## **Description**

Recombinant Human Ubiquitin-conjugating enzyme E2 E1/UBE2E1 protein is produced by E. coli cells expression system. The target protein is expressed with sequence (Ser2-Thr193) of Human Ubiquitin-conjugating enzyme E2 E1/UBE2E1 (Accession # P51965) fused with No tag .

## **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

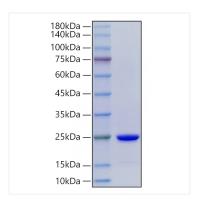
## **Storage**

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human Ubiquitin-conjugating enzyme E2 E1/UBE2E1 protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.