

**Product Name:** UBE2H

**Alternate Names:** UBC8, UBCH, UBCH2, E2-20K

**Product Code:** TE2-088

**FOR RESEARCH USE ONLY (RUO)**

**Verified Applications / Usage**

Recombinant Ubiquitin Conjugating Enzyme E2 H accepts activated ubiquitin from Ubiquitin Activating Enzyme 1 (an E1) in *in vitro* reactions. This charged E2 may subsequently transfer ubiquitin to a protein substrate in an E3 Ligase-catalyzed reaction. Appropriate enzyme concentrations are specific to the application.

**Physical Characteristics**

**Species:** Human

**Predicted MW (kDa):** 20 kDa

**Source:** *E. coli* BL21(DE3) A.I.

**Purity:** 95 %

**Tag:** N/A

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

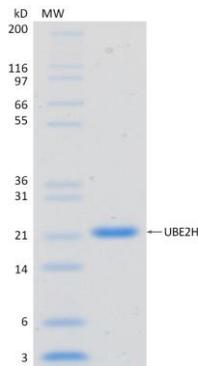
**Shipping:** The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

**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 H



2 µg UBE2H 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

Ubiquitin Conjugating Enzyme E2 H is a ubiquitin-conjugating enzyme (E2) that plays a key role in the ubiquitylation pathway. It works with various E3 ligases to transfer ubiquitin to substrate proteins, tagging them for proteasomal degradation or otherwise regulating their function.

**Accession Number:** P62256

**Entrez Gene ID:** UBE2H

## Protein Sequence

```
GPMSSPSPGKRRMDTDVVKLIESKHEVTILGGLNEFVVKFYGPQGTPYEGGVWKVRVDLPDKY  
PFKSPSIGFMNKIFHPNIDEASGTVCLDVINQWTWTALYDLTNIFESFLPQLLAYPNPIDPLNG  
DAAAMYLRPEEYKQKIKEYIQKYATEEALKEQEEGTGDSSSESSMSDFSEDEAQDMEL
```