

# Recombinant Human UBE2D1 Protein (His Tag)

Catalog Number:PKSH031122



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

### Synonyms

Ubiquitin-conjugating enzyme E2 D1;Stimulator of Fe transport;SFT;UBC4/5 homolog;UbcH5;Ubiquitin carrier protein D1;Ubiquitin-conjugating enzyme E2(17)KB 1;Ubiquitin-conjugating enzyme E2-17 kDa 1;Ubiquitin-protein ligase D1;SFT;UBC5A;UBCH5;UBCH5A

### Species

Human

### Expression Host

E.coli

### Sequence

Ala 2-Met 147

### Accession

P51668

### Calculated Molecular Weight

18.3 kDa

### Tag

N-His

## Properties

### Purity

> 90 % as determined by reducing SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Storage

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

### Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

### Formulation

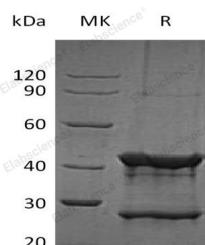
Lyophilized from sterile 25mM Tris, 100mM NaCl, 20% glycerol, 0.05% Tween 80. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

### Reconstitution

Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Ubiquitin-conjugating enzyme E2 D1 (UBE2D1); a member of human E2 ubiquitin-conjugating enzymes; is closely related to SFT; which is short for stimulator of iron (Fe) transport. In other words; UbcH5A is significantly up-regulated in the liver of iron-overloaded patients with hereditary hemochromatosis; as previously published for SFT. Moreover; a complex of UBE2D1 is critical in maintaining KRAS protein stability and propose that targeting such complex may be a unique strategy to degrade mutant KRAS to kill cancer cells.

## For Research Use Only

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