

# Recombinant Human UBE2D1 Protein (GST Tag)

Catalog Number: PKSH033367



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

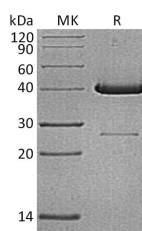
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Met 147
<b>Accession</b>	P51668
<b>Calculated Molecular Weight</b>	42.9 kDa
<b>Observed molecular weight</b>	40 kDa
<b>Tag</b>	N-GST

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 2mM DTT, 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Ubiquitin-conjugating enzyme E2 D1 (UBE2D1) belongs to the ubiquitin-conjugating enzyme family. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes; or E1s; ubiquitin-conjugating enzymes; or E2s; and ubiquitin-protein ligases; or E3s. This enzyme is closely related to a stimulator of iron transport (SFT); and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.

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