Recombinant Human UBE2D1

Catalog No: CH56

Description	Recombinant Human Ubiquitin-conjugating enzyme E2 D1 is produced by our E.coli expression system and the target gene encoding Met1-Met147 is expressed with a GST tag at the N-terminus.
Expression System	E.coli
Alternative name	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
Accession No.	P51668
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of 50mM HEPES,150mM NaCl,2mM DTT,10% Glycerin,pH7.5.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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.

SDS-PAGE