Active Recombinant Human UBE2D1 Protein, His-tagged

Cat. No. UBE2D1-644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE2D1 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	UBE2D1 (UBCH5A) or ubiquitin-conjugating enzyme E2D1 is a member of the E2 ubiquitin-conjugating enzyme family which is closely related to a stimulator of iron transport (SFT). UBE2D1 is significantly upregulated in livers of iron-overloaded patients with hereditary hemochromatosis. UBE2D1 also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF-1α by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.
Form	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Bio-activity	22 nmol/min/mg
Molecular Mass	17 kDa
Purity	>95%
Applications	Ubiquitin Enzyme Assay, Western Blot

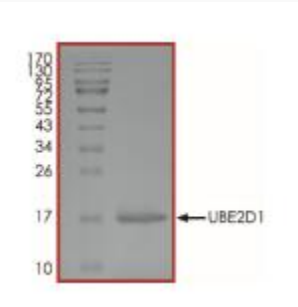
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	1 year at - 70 centigrade from the date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ml

GENE INFORMATION

Gene Name	UBE2D1 ubiquitin-conjugating enzyme E2D 1 [Homo sapiens]
Official Symbol	UBE2D1
Synonyms	UBE2D1; ubiquitin-conjugating enzyme E2D 1; SFT, stimulator of Fe transport , ubiquitin conjugating enzyme E2D 1 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2 D1; E2(17)KB1; UBC4/5; UBCH5; UbcH5A; UBC4/5 homolog; stimulator of Fe transport; ubiquitin-protein ligase D1; ubiquitin carrier protein D1; ubiquitin-conjugating enzyme E2(17)KB 1; ubiquitin-conjugating enzyme E2-17 kDa 1; ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast); SFT; UBCH5A;
Gene ID	7321
mRNA Refseq	NM_003338
Protein Refseq	NP_003329
MIM	602961
UniProt ID	P51668

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