Recombinant Human Ubiquitin-conjugating enzyme E2 D1 (UBE2D1)

Product Code	CSB-EP025443HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51668
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MALKRIQKEL SDLQRDPPAH CSAGPVGDDL FHWQATIMGP PDSAYQGGVF FLTVHFPTDY PFKPPKIAFT TKIYHPNINS NGSICLDILR SQWSPALTVS KVLLSICSLL CDPNPDDPLV PDIAQIYKSD KEKYNRHARE WTQKYAM
Source	E.coli
Target Names	UBE2D1
Protein Names	Recommended name: Ubiquitin-conjugating enzyme E2 D1 EC= 6.3.2.19 Alternative name(s): Stimulator of Fe transport Short name= SFT UBC4/5 homolog UbcH5 Ubiquitin carrier protein D1 Ubiquitin-conjugating enzyme E2(17)KB
Expression Region	1-147
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. 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 gene encodes a member of the E2 ubiquitin-conjugating enzyme family. 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.