

Recombinant Human UBE2D1 293 Cell Lysate

Cat. No. UBE2D1-589HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast) (UBE2D1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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_001204880](#)

Protein Refseq [NP_001191809](#)

MIM [602961](#)

UniProt ID [P51668](#)

Chromosome Location [10q21.1](#)

Pathway [APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem](#); [APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem](#); [APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem](#);

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APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem;
APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted
proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C
and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific
biosystem; Adaptive Immune System, organism-specific biosystem;

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