Recombinant Human UBE2D2 293 Cell Lysate

Cat. No. UBE2D2-587HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast) (UBE2D2), transcript variant 1 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.

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

GENE INFORMATION

Gene Name	UBE2D2 ubiquitin-conjugating enzyme E2D 2 [Homo sapiens]
Official Symbol	UBE2D2
Synonyms	UBE2D2; ubiquitin-conjugating enzyme E2D 2; ubiquitin conjugating enzyme E2D 2 (homologous to yeast UBC4/5) , ubiquitin conjugating enzyme E2D 2 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2 D2; UBC4; UbcH5B; ubiquitin-protein ligase D2; ubiquitin carrier protein D2; ubiquitin-conjugating enzyme E2(17)KB 2; ubiquitin-conjugating enzyme E2-17 kDa 2; ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast); ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5); PUBC1; UBC4/5; UBCH5B; E2(17)KB2;
Gene ID	7322
mRNA Refseq	NM_003339
Protein Refseq	NP_003330
MIM	602962
UniProt ID	P62837
Chromosome Location	5q31.3

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Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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