

Recombinant Human UBE2M 293 Cell Lysate

Cat. No. UBE2M-567HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast) (UBE2M) 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

UBE2M ubiquitin-conjugating enzyme E2M [Homo sapiens]

Official Symbol

UBE2M

Synonyms

UBE2M; ubiquitin-conjugating enzyme E2M; ubiquitin conjugating enzyme E2M (homologous to yeast UBC12) , ubiquitin conjugating enzyme E2M (UBC12 homolog, yeast); NEDD8-conjugating enzyme Ubc12; hUbc12; UBC12; yeast UBC12 homolog; NEDD8 protein ligase; NEDD8 carrier protein; ubiquitin-protein ligase M; ubiquitin carrier protein M; ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast); UBC-RS2;

Gene ID

9040

mRNA Refseq

NM_003969

Protein Refseq

NP_003960

MIM

603173

UniProt ID

P61081

Chromosome Location

19q13.43

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing:

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Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;

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