

Recombinant Human UBE2G1 293 Cell Lysate

Cat. No. UBE2G1-579HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast) (UBE2G1) 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

UBE2G1 ubiquitin-conjugating enzyme E2G 1 [Homo sapiens]

Official Symbol

UBE2G1

Synonyms

UBE2G1; ubiquitin-conjugating enzyme E2G 1; UBE2G, ubiquitin conjugating enzyme E2G 1 (homologous to C. elegans UBC7) , ubiquitin conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) , ubiquitin conjugating enzyme E2G 1 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2 G1; UBC7; ubiquitin-protein ligase G1; ubiquitin carrier protein G1; ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans); ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7); E217K; UBE2G;

Gene ID

7326

mRNA Refseq

NM_003342

Protein Refseq

NP_003333

MIM

601569

UniProt ID

P62253

**Chromosome
Location**

17p13.2

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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; Parkinsons disease, organism-specific biosystem;

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