

Recombinant Human UBA3 293 Cell Lysate

Cat. No. UBA3-604HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ubiquitin-like modifier activating enzyme 3 (UBA3), transcript variant 2 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 [UBA3 ubiquitin-like modifier activating enzyme 3 \[Homo sapiens \]](#)

Official Symbol UBA3

Synonyms UBA3; ubiquitin-like modifier activating enzyme 3; UBE1C, ubiquitin activating enzyme E1C (homologous to yeast UBA3) , ubiquitin activating enzyme E1C (UBA3 homolog, yeast); NEDD8-activating enzyme E1 catalytic subunit; hUba3; ubiquitin activating enzyme E1 homolog (yeast); NEDD8-activating enzyme E1C; Nedd8-activating enzyme hUba3; ubiquitin-activating enzyme 3; ubiquitin-like modifier-activating enzyme 3; UBA3, ubiquitin-activating enzyme E1 homolog; ubiquitin-activating enzyme E1C (UBA3 homolog, yeast); ubiquitin-activating enzyme E1C (homologous to yeast UBA3); UBE1C; hUBA3; MGC22384; DKFZp566J164;

Gene ID [9039](#)

mRNA Refseq [NM_198195](#)

Protein Refseq [NP_937838](#)

MIM [603172](#)

UniProt ID [Q8TBC4](#)

Chromosome Location 3p24.3-p13

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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; Coregulation of Androgen receptor activity, organism-specific biosystem; Immune System, organism-specific biosystem;

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