

Recombinant Human MUL1 293 Cell Lysate

Cat. No. MUL1-4057HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitochondrial E3 ubiquitin ligase 1 (MUL1), nuclear gene encoding mitochondrial protein 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

MUL1 mitochondrial E3 ubiquitin protein ligase 1 [Homo sapiens]

Official Symbol

MUL1

Synonyms

MUL1; mitochondrial E3 ubiquitin protein ligase 1; C1orf166, chromosome 1 open reading frame 166; mitochondrial ubiquitin ligase activator of NFKB 1; FLJ12875; GIDE; growth inhibition and death E3 ligase; MAPL; mitochondria anchored protein ligase; MULAN; ring finger protein 218; RNF218; E3 ubiquitin ligase; E3 SUMO-protein ligase MUL1; E3 ubiquitin-protein ligase MUL1; mitochondrial E3 ubiquitin ligase 1; mitochondria-anchored protein ligase; mitochondria-anchored protein ligase; putative NF-kappa-B-activating protein 266; mitochondrial ubiquitin ligase activator of NF-kB; C1orf166; RP11-401M16.2;

Gene ID

79594

mRNA Refseq

NM_024544

Protein Refseq

NP_078820

MIM

612037

UniProt ID

Q969V5

**Chromosome
Location**

1p36.12

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Function

acid-amino acid ligase activity; identical protein binding; ligase activity; metal ion binding; protein binding; signal transducer activity; ubiquitin-protein ligase activity; zinc ion binding;

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