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COP1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50033

Basic Information

Catalog No.
RM50033

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

Enables ubiquitin protein ligase activity. Involved in positive regulation of proteasomal ubiquitin-dependent protein catabolic process; proteasome-mediated ubiquitin-dependent protein catabolic process; and response to ionizing radiation. Part of Cul4A-RING E3 ubiquitin ligase complex.

Gene Information

Gene Symbol
COP1

Species
Human

Gene ID
64326

Swiss Prot
Q8NHY2

Synonyms
FAP78; RFWD2; CFAP78; RNF200

Product Information

Description
COP1 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:122bp deletion in exon1
Allele-2:122bp deletion in exon1
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. Minimizing freeze-thaw cycles.

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Contact

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Sequencing data

WT CTCTTCCCCGT**********AGCGGCGGCGG
Mut CTCTTCCCCGT***Deletion(122bp)***AGCGGCGGCGG
Allele-1: 122bp deletion in exon1

WT CTCTTCCCCGT**********AGCGGCGGCGG
Mut CTCTTCCCCGT***Deletion(122bp)***AGCGGCGGCGG
Allele-2: 122bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and COP1 knockout (KO) 293T cells, using sanger sequencing.