

COP1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50033

Basic Information

Catalog No.

RM50033

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

COP1

Species

Human

Gene ID

64326

Swiss Prot

Q8NHY2

Synonyms

FAP78; RFWD2; CFAP78; RNF200

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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.

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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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.

Sequencing data

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

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

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