

CHD1 Knockout 293T cell lysate, Homozygous

Catalog No.: RM50179

Basic Information

Catalog No.

RM50179

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

CHD1

Species

Human

Gene ID

1105

Swiss Prot

O14646

Synonyms

CHD-1; PILBOS; D1

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Background

The CHD family of proteins is characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. CHD genes alter gene expression possibly by modification of chromatin structure thus altering access of the transcriptional apparatus to its chromosomal DNA template.

Product Information

Description

CHD1 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:67bp deletion in exon2

Allele-2:67bp deletion in exon2

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 ACTCCGGATCTGAA*****AAGTTGATGGAGCT
Mut ACTCCGGATCTGAA***Deletion***AAGTTGATGGAGCT
Allele-1: 67bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and CHD1 knockout (KO) 293T cells, using sanger sequencing.

WT ACTCCGGATCTGAA*****AAGTTGATGGAGCT
Mut ACTCCGGATCTGAA***Deletion***AAGTTGATGGAGCT
Allele-2: 67bp deletion in exon2