

CDX2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02461

Basic Information

Catalog No.

RM02461

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

CDX2

Species

Human

Gene ID

1045

Swiss Prot

Q99626

Synonyms

CDX-3; CDX2/AS; CDX3

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Background

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012]

Product Information

Description

CDX2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:58bp deletion in exon1

Allele-2:58bp 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 were decreased compared to wild type, and the protein expression levels were 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 ACCTGGCGCCGCAG*****CTGCAGCGGCAGCG
Mut ACCTGGCGCCGCAG***Deletion***CTGCAGCGGCAGCG
Allele-1: 58bp deletion in exon1
WT ACCTGGCGCCGCAG*****CTGCAGCGGCAGCG
Mut ACCTGGCGCCGCAG***Deletion***CTGCAGCGGCAGCG
Allele-2: 58bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and CDX2 knockout (KO) 293T cells, using sanger sequencing.