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PROX1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02498

Basic Information

Catalog No.
RM02498

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene is a member of the homeobox transcription factor family. Members of this family contain a homeobox domain that consists of a 60-amino acid helix-turn-helix structure that binds DNA and RNA. The protein encoded by this gene is conserved across vertebrates and may play an essential role during development. Altered levels of this protein have been reported in cancers of different organs, such as colon, brain, blood, breast, pancreas, liver and esophagus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Gene Information

Gene Symbol
PROX1

Species
Human

Gene ID
5629

Swiss Prot
Q92786

Product Information

Description
PROX1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:190bp deletion in exon1
Allele-2:191bp 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
Store at -20℃

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

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WT    AGCGGTCTCTCTAG**********GTGGCATTAAGGGG
Mut   AGCGGTCTCTCTAG***Deletion***GTGGCATTAAGGGG
Allele-1:    190bp deletion in exon1

WT    GCGGTCTCTCTAGT**********GGCATTAAGGGGCA
Mut   GCGGTCTCTCTAGT***Deletion***GGCATTAAGGGGCA
Allele-2:    191bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and PROX1 Knockout (KO) 293T cells, using sanger sequencing.

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