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OCT2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02790

Basic Information

Catalog No.
RM02790

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms have been found for this gene.

Gene Information

Gene Symbol
2-10

Species
Human

Gene ID
5452

Swiss Prot
P09086

Synonyms
POU2F2; OTF2; Oct-2

Product Information

Description
OCT2 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:exon1 was deleted
Allele-2:exon1 was deleted
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    CTGAGTGACTTCCG**********GTCCCCGCTAACCC
Mut   CTGAGTGACTTCCG***Deletion***GTCCCCGCTAACCC
Allele-1:    exon1 was deleted

WT    CTGAGTGACTTCCG**********CCGGGTCCCCGCTA
Mut   CTGAGTGACTTCCG***Deletion***CCGGGTCCCCGCTA
Allele-2:    exon1 was deleted
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Genome sequence analysis of PCR products from parental (WT) and OCT2 knockout (KO) 293T cells, using sanger sequencing.