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HOPX Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50013

Basic Information

Catalog No.
RM50013

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene is a homeodomain protein that lacks certain conserved residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues failed to express this gene, which suggested the possible involvement of this gene in malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene expression and cardiac development. Multiple alternatively spliced transcript variants have been identified for this gene.

Gene Information

Gene Symbol
HOPX

Species
Human

Gene ID
84525

Swiss Prot
Q9BPY8

Synonyms
HOD; HOP; OB1; LAGY; TOTO; CAMEO; NECC1; SMAP31; HOPX

Product Information

Description
HOPX Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:95bp deletion in exon1
Allele-2:95bp 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    TCGGCGGAGACCGC**********CCGAGGCAGGCCT
Mut   TCGGCGGAGACCGC***Deletion***CCGAGGCAGGCCT
Allele-1:   95bp deletion in exon1

WT    TCGGCGGAGACCGC**********CCGAGGCAGGCCT
Mut   TCGGCGGAGACCGC***Deletion***CCGAGGCAGGCCT
Allele-2:   95bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and HOPX knockout (KO) 293T cells, using sanger sequencing.

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