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# NR1H4 Knockout 293T Cell Lysate, Homozygous

**Catalog No.: RM50001**

## Basic Information

**Catalog No.**
RM50001

**Category**
Cell Lysate

**Parental Cell line**
293T

**Genotype**
Knockout

## Background

This gene encodes a ligand-activated transcription factor that shares structural features in common with nuclear hormone receptor family members. This protein functions as a receptor for bile acids, and when bound to bile acids, binds to DNA and regulates the expression of genes involved in bile acid synthesis and transport. Alternatively spliced transcript variants encoding different isoforms have been described.

## Gene Information

**Gene Symbol**
NR1H4

**Species**
Human

**Gene ID**
9971

**Swiss Prot**
Q96RI1

**Synonyms**
BAR; FXR; HRR1; HRR-1; PFIC5; RIP14; NR1H4

## Product Information

**Description**
NR1H4 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:107bp deletion in exon2
Allele-2:107bp 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℃

**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

```
WT    GTGGAACCATACTC**********CTGGAATATATGAA
Mut   GTGGAACCATACTC***Deletion***CTGGAATATATGAA
Allele-1:   107bp deletion in exon2

WT    GTGGAACCATACTC**********CTGGAATATATGAA
Mut   GTGGAACCATACTC***Deletion***CTGGAATATATGAA
Allele-2:   107bp deletion in exon2
```

Genome sequence analysis of PCR products from parental (WT) and NR1H4 knockout (KO) 293T cells, using sanger sequencing.



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