

# TNFRSF18 Knockdown HeLa cell lysate, Heterozygous

Catalog No.: RM50182

## Basic Information

### Catalog No.

RM50182

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockdown

## Gene Information

### Gene Symbol

TNFRSF18

### Species

Human

### Gene ID

8784

### Swiss Prot

Q9Y5U5

### Synonyms

AITR; GTR; CD357; GTR-D; ENERGEN;  
GTR/TNFRSF18

## Contact

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## Background

This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

## Product Information

### Description

TNFRSF18 Knockdown cell line is engineered from HeLa cell line with Gene-Editing Technology.

Allele-1:130bp deletion in exon1

Allele-2:WT

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°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

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WT GCACAGCACGGGGC\*\*\*\*\*TGCCGGGTTACAC  
Mut GCACAGCACGGGGC\*\*\*Deletion\*\*\*TGCCGGGTTACAC  
Allele-1: 130bp deletion in exon1

WT GCACAGCACGGGGC\*\*\*\*\*TGCCGGGTTACAC  
Mut GCACAGCACGGGGC\*\*\*\*\*TGCCGGGTTACAC  
Allele-2: WT

Genome sequence analysis of PCR products from parental (WT) and TNFRSF18 knockdown (KD) HeLa cells, using sanger sequencing.