

# PDPN Knockout 293T Cell Lysate, Homozygous

**Catalog No.:** RM02467

## Basic Information

**Catalog No.**

RM02467

**Category**

Cell Lysate

**Parental Cell line**

293T

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

PDPN

**Species**

Human

**Gene ID**


10630

**Swiss Prot**

Q86YL7

**Synonyms**AGGRUS; GP36; GP40; Gp38; HT1A-1;  
OTS8; PA2.26; T1A; T1A-2; T1A2; T11A

## Contact

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## Background

This gene encodes a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

## Product Information

**Description**

PDPN Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:73bp deletion in exon2

Allele-2:73bp 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°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   ACACTGAGACTACAG\*\*\*\*\*TAAGTCTGGCTTGA  
Mut   ACACTGAGACTACAG\*\*\*Deletion\*\*\*TAAGTCTGGCTTGA  
Allele-1: 73bp deletion in exon2  
  
WT   ACACTGAGACTACAG\*\*\*\*\*TAAGTCTGGCTTGA  
Mut   ACACTGAGACTACAG\*\*\*Deletion\*\*\*TAAGTCTGGCTTGA  
Allele-2: 73bp deletion in exon2

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