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# AMOT Knockout 293T Cell Lysate, Homozygous

**Catalog No.: RM02058**

## Basic Information

**Catalog No.**
RM02058

**Category**
Cell Lysate

**Parental Cell line**
293T

**Genotype**
Knockout

## Background

This gene belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiostatin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

## Gene Information

**Gene Symbol**
AMOT

**Species**
Human

**Gene ID**
154796

**Swiss Prot**
Q4VCS5

## Product Information

**Description**
AMOT Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:1bp insertion in exon1
Allele-2:1bp insertion 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.

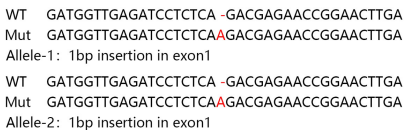
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## Sequencing data




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



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