

# LAMP2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02189

## Basic Information

### Catalog No.

RM02189

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

LAMP2

### Species

Human

### Gene ID

3920

### Swiss Prot

P13473

### Synonyms

CD107b; LAMP-2; LAMPB; LGP-96;  
LGP110

## Contact

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## Background

The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]

## Product Information

### Description

LAMP2 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:77bp deletion in exon3

Allele-2:77bp deletion in exon3

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 AGTGCAGTTCGGAC\*\*\*\*\*ACTGGTGATAACAC  
Mut AGTGCAGTTCGGAC\*\*\*Deletion\*\*\*ACTGGTGATAACAC  
Allele-1: 77bp deletion in exon3  
WT AGTGCAGTTCGGAC\*\*\*\*\*ACTGGTGATAACAC  
Mut AGTGCAGTTCGGAC\*\*\*Deletion\*\*\*ACTGGTGATAACAC  
Allele-2: 77bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and LAMP2 knockout (KO) HeLa cells, using sanger sequencing.