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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

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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℃

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.

Sequencing data

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

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