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LAMP1 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02024

Basic Information

Catalog No.
RM02024

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
LAMP1

Species
Human

Gene ID
3916

Swiss Prot
P11279

Synonyms
CD107a; LAMPA; LGP120

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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 also play a role in tumor cell metastasis. [provided by RefSeq, Jul 2008]

Product Information

Description
LAMP1 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:31bp deletion and 1bp insertion in exon3
Allele-2:62bp 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
Lysate is stable for 12 months when stored at -20℃. 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

WT AAAGCAATCACGAG**********GAGCTGCGGTTGAG
Mut AAAGCAATCACGAG***Deletion***GAGCTGCGGTTGAG
Allele-1: 31bp deletion and 1bp insertion in exon3

WT AAGCAATCACGAGA**********TGGCAGGTCAAAGG
Mut AAGCAATCACGAGA***Deletion***TGGCAGGTCAAAGG
Allele-2: 62bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and LAMP1 Knockdown (KD) HeLa cells, using sanger sequencing.