

PDLIM5 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02290

Basic Information

Catalog No.

RM02290

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

PDLIM5

Species

Human

Gene ID

10611

Swiss Prot

Q96HC4

Synonyms

ENH; ENH1; L9; LIM

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

Product Information

Description

PDLIM5 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1: 7bp deletion in exon1

Allele-2: 7bp deletion 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°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

WT TTCCGGCTGCAG*****AGGATTCAACA
Mut TTCCGGCTGCAG*****Deletion*****AGGATTCAACA
Allele-1: 7bp deletion in exon1
WT TTCCGGCTGCAG*****AGGATTCAACA
Mut TTCCGGCTGCAG*****Deletion*****AGGATTCAACA
Allele-2: 7bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and PDLIM5 Knockout (KO) HeLa cells, using sanger sequencing.