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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

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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℃

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

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

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