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DES Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02403

Basic Information

Catalog No.
RM02403

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
DES

Species
Human

Gene ID
1674

Swiss Prot
P17661

Synonyms
CSM1; CSM2; LGMD2R

Product Information

Description
DES Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:134bp deletion in exon1
Allele-2:134bp 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.

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Sequencing data

WT CTCACTGGCCGACG**********AACCGGCTCAAGGG
Mut CTCACTGGCCGACG***Deletion***AACCGGCTCAAGGG
Allele-1: 134bp deletion in exon1

WT CTCACTGGCCGACG**********AACCGGCTCAAGGG
Mut CTCACTGGCCGACG***Deletion***AACCGGCTCAAGGG
Allele-2: 134bp deletion in exon1

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

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