

ECE1 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02358

Basic Information

Catalog No.

RM02358

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockdown

Gene Information

Gene Symbol

ECE1

Species

Human

Gene ID

1889

Swiss Prot

P42892

Synonyms

ECE

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Background

The protein encoded by this gene is involved in proteolytic processing of endothelin precursors to biologically active peptides. Mutations in this gene are associated with Hirschsprung disease, cardiac defects and autonomic dysfunction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Sep 2009]

Product Information

Description

ECE1 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:3bp deletion and 15bp deletion in exon1

Allele-2:71bp 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 TTCCACAGCCCCCGAAGTGGCCAGAGGTGCT***GCGGCTGGTGGTGT*****CGGCAGGACTGGTG
Mut TTCCACAGCCCCCG --TGGCCAGAGGTGCT***GCGGCTGGTGGTGT***Deletion***CGGCAGGACTGGTG
Allele-1: 3bp deletion and 15bp deletion in exon1
WT TTCCACAGCCCCCGG*****GGCAGGACTGGTG
Mut TTCCACAGCCCCCG***Deletion***GGCAGGACTGGTG
Allele-2: 71bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and ECE1 Knockdown (KD) HeLa cells, using sanger sequencing.