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TEAD1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02049

Basic Information

Catalog No.
RM02049

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes a ubiquitous transcriptional enhancer factor that is a member of the TEA/ATTS domain family. This protein directs the transactivation of a wide variety of genes and, in placental cells, also acts as a transcriptional repressor. Mutations in this gene cause Sveinsson's chorioretinal atrophy. Additional transcript variants have been described but their full-length natures have not been experimentally verified. [provided by RefSeq, May 2010]

Gene Information

Gene Symbol
TEAD1

Species
Human

Gene ID
7003

Swiss Prot
P28347

Synonyms
AA; NTEF-1; REF1; TCF-13; TCF13; TEAD-1; TEF-1

Product Information

Description
TEAD1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:23bp insertion and 118bp deletion in exon1
Allele-2:70bp 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
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.

Contact

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Sequencing data

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WT   TGACTCTG************************GAAGGCAA
Mut  TGACTCTG***Insertion*****Deletion***GAAGGCAA
Allele-1:   23bp insertion and 118bp deletion in exon1

WT   TCTGGAGCCCCGAC*************ACGAAGGCAAAATG
Mut  TCTGGAGCCCCGAC***Deletion***ACGAAGGCAAAATG
Allele-2:   70bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and TEAD1 knockout (KO) HeLa cells, using sanger sequencing.