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JUN Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02258

Basic Information

Catalog No.
RM02258

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Background

This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
JUN

Species
Human

Gene ID
3725

Swiss Prot
P05412

Synonyms
AP-1; AP1; c-Jun

Product Information

Description
JUN Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:98bp deletion in exon1
Allele-2:99bp 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 CGTTCCTCCCGTCC**********CGCCAAGAACTCGG
Mut CGTTCCTCCCGTCC***Deletion***CGCCAAGAACTCGG
Allele-1: 98bp deletion in exon1

WT CGTTCCTCCCGTCC**********GCCAAGAACTCGGA
Mut CGTTCCTCCCGTCC***Deletion***GCCAAGAACTCGGA
Allele-2: 99bp deletion in exon1

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