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HSP90AA1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02017

Basic Information

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RM02017

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
HSP90AA1

Species
Human

Gene ID
3320

Swiss Prot
P07900

Synonyms
EL52; HEL-S-65p; HSP86; HSP89A; HSP90A; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; Hsp103; Hsp89; Hsp90; LAP-2; LAP2

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Background

The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Product Information

Description
HSP90AA1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:215bp deletion in exon2
Allele-2:238bp deletion in exon2
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.

Sequencing data

WT ATATTAACCTTATA**********ACATAACGATGATG
Mut ATATTAACCTTATA***Deletion***ACATAACGATGATG
Allele-1：215bp deletion in exon2

WT TATTAACCTTATAC**********TTGGGAGTCCTCAG
Mut TATTAACCTTATAC***Deletion***TTGGGAGTCCTCAG
Allele-2：238bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and HSP90AA1 knockout (KO) HeLa cells, using sanger sequencing.