

HSP90AB1 Knockdown 293T Cell Lysate, Heterozygous

Catalog No.: RM02572

Basic Information

Catalog No.

RM02572

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockdown

Gene Information

Gene Symbol

HSP90AB1

Species

Human

Gene ID

3326

Swiss Prot

P08238

Synonyms

D6S182; HSP84; HSP90B; HSPC2; HSPCB

Contact

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Background

This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012]

Product Information

Description

HSP90AB1 Knockdown 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:exon4 was deleted; Allele-2:exon4 was deleted; Allele-3:WT

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 TACTTTTACCCTG*****TATGGACTTTTAA
Mut TACTTTTACCCTG***Deletion***TATGGACTTTTAA
Allele-1: exon4 was deleted

WT ACTTTTACCCTGT*****GTATGGACTTTTAA
Mut ACTTTTACCCTGT***Deletion***GTATGGACTTTTAA
Allele-2: exon4 was deleted

WT ACTTTTACCCTGT*****GTATGGACTTTTAA
Mut ACTTTTACCCTGT*****GTATGGACTTTTAA
Allele-3: WT

Genome sequence analysis of PCR products from parental (WT) and HSP90AB1 Knockdown (KD) 293T cells, using sanger sequencing.