Leader in Biomolecular Solutions for Life Science

www.abclonal.com

GJA1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02360

Basic Information

Catalog No.
RM02360

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
GJA1

Species
Human

Gene ID
2697

Swiss Prot
P17302

Synonyms
AVSD3; CMDR; CX43; EKVP; GJAL; HLHS1; HSS; ODDD; PPKCA

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations. [provided by RefSeq, May 2014]

Product Information

Description
GJA1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:143bp deletion in exon1
Allele-2:143bp 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.

Sequencing data

```
WT     TTCTATGTGATGCG**************GGGGGTTGCTGCGA
Mut    TTCTATGTGATGCG***Deletion***GGGGGTTGCTGCGA
Allele-1: 143bp deletion in exon1

WT     TTCTATGTGATGCG**************GGGGGTTGCTGCGA
Mut    TTCTATGTGATGCG***Deletion***GGGGGTTGCTGCGA
Allele-2: 143bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and GJA1 knockout (KO) HeLa cells, using sanger sequencing.