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AIF1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02376

Basic Information

Catalog No.
RM02376

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
AIF1

Species
Human

Gene ID
199

Swiss Prot
P55008

Synonyms
AIF-1; IBA1; IRT-1; IRT1

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Background

This gene encodes a protein that binds actin and calcium. This gene is induced by cytokines and interferon and may promote macrophage activation and growth of vascular smooth muscle cells and T-lymphocytes. Polymorphisms in this gene may be associated with systemic sclerosis. Alternative splicing results in multiple transcript variants, but the full-length and coding nature of some of these variants is not certain. [provided by RefSeq, Jan 2016]

Product Information

Description
AIF1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:79bp deletion in exon2
Allele-2:79bp 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     GTCCCTGAAACGAA**************GACGTTCAGCTACC
Mut    GTCCCTGAAACGAA***Deletion***GACGTTCAGCTACC
Allele-1：79bp deletion in exon2

WT     GTCCCTGAAACGAA**************GACGTTCAGCTACC
Mut    GTCCCTGAAACGAA***Deletion***GACGTTCAGCTACC
Allele-2：79bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and AIF1 knockout (KO) HeLa cells, using sanger sequencing.