

ACKR3 Knockout MDA-MB-231 Cell Lysate, Homozygous

Catalog No.: RM02347

Basic Information

Catalog No.

RM02347

Category

Cell Lysate

Parental Cell line

MDA-MB-231

Genotype

Knockout

Gene Information

Gene Symbol

ACKR3

Species

Mouse

Gene ID

12778

Synonyms

AW541270; CXC-R7; CXCR-7; Cmkor1; Cxcr7; RDC-1; Rdc1

Contact

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Background

Product Information

Description

ACKR3 Knockout MDA-MB-231 Cell Line is engineered from MDA-MB-231 cell line with Gene-Editing technology.

Allele-1:71bp deletion in exon1

Allele-2:71bp 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

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 $1\times$ 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

GAACCTGGCCATTG************GGCGAGCTCACGTG Mut GAACCTGGCCATTG***Deletion***GGCGAGCTCACGTG Allele-1: 71bp deletion in exon1

WT GAACCTGGCCATTG**********GGCGAGCTCACGTG Mut GAACCTGGCCATTG***Deletion***GGCGAGCTCACGTG

Allele-2: 71bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and ACKR3 knockout (KO) MDA-MB-231 cells, using sanger sequencing.