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GDI2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02383

Basic Information

Catalog No.
RM02383

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
GDI2

Species
Human

Gene ID
2665

Swiss Prot
P50395

Synonyms
HEL-S-46e; RABGDIB

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Background

GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Product Information

Description
GDI2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:82bp deletion in exon2
Allele-2:82bp 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
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

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WT     AATGTATCCTGTCA**************CATTGGAAGATGTA
Mut    AATGTATCCTGTCA***Deletion***CATTGGAAGATGTA
Allele-1：82bp deletion in exon2
WT     AATGTATCCTGTCA**************CATTGGAAGATGTA
Mut    AATGTATCCTGTCA***Deletion***CATTGGAAGATGTA
Allele-2：82bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and GDI2 knockout (KO) 293T cells, using sanger sequencing.