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CETN2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02297

Basic Information

Catalog No.
RM02297

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
CETN2

Species
Human

Gene ID
1069

Swiss Prot
P41208

Synonyms
CALT; CEN2

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Background

Caltractin belongs to a family of calcium-binding proteins and is a structural component of the centrosome. The high level of conservation from algae to humans and its association with the centrosome suggested that caltractin plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome. [provided by RefSeq, Jul 2008]

Product Information

Description
CETN2 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:80bp deletion in exon1
Allele-2:80bp 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
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 AGAATGAGCCCTAA**********ATGTTAAAGAACTG
Mut AGAATGAGCCCTAA***Deletion***ATGTTAAAGAACTG
Allele-1: 80bp deletion in exon1

WT AGAATGAGCCCTAA**********ATGTTAAAGAACTG
Mut AGAATGAGCCCTAA***Deletion***ATGTTAAAGAACTG
Allele-2: 80bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and CETN2 Knockout (KO) HeLa cells, using sanger sequencing.