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NT5E Knockdown HCT116 Cell Lysate, Heterozygous

Catalog No.: RM02004

Basic Information

Catalog No.
RM02004

Category
Cell Lysate

Parental Cell line
HCT116

Genotype
Knockdown

Gene Information

Gene Symbol
NT5E

Species
Human

Gene ID
4907

Swiss Prot
P21589

Synonyms
CALJA; CD73; E5NT; NT; NT5; NTE; eN; eNT

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Background

The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]

Product Information

Description
NT5E Knockdown HCT116 Cell Line is engineered from HCT116 cell line with Gene-Editing technology.
Allele-1:130bp deletion in exon1
Allele-2:138bp 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 ACGCCAGCCGCTGC**********TGGCGCACTTCATG
Mut ACGCCAGCCGCTGT***Deletion***TGGCGCACTTCATG
Allele-1: 130bp deletion in exon1

WT GTGCGTCAACGCCA**********TGGCGCACTTCATG
Mut GTGCGTCAACGCCA***Deletion***TGGCGCACTTCATG
Allele-2: 138bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and NT5E Knockdown (KD) HCT116 cells, using sanger sequencing.

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