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KISS1R Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02477

Basic Information

Catalog No.
RM02477

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene is a galanin-like G protein-coupled receptor that binds metastin, a peptide encoded by the metastasis suppressor gene KISS1. The tissue distribution of the expressed gene suggests that it is involved in the regulation of endocrine function, and this is supported by the finding that this gene appears to play a role in the onset of puberty. Mutations in this gene have been associated with hypogonadotropic hypogonadism and central precocious puberty. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
KISS1R

Species
Human

Gene ID
84634

Swiss Prot
Q969F8

Synonyms
AXOR12; CPPB1; GPR54; HH8; HOT7T175; KISS-1R

Product Information

Description
KISS1R Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:230bp deletion in exon2
Allele-2:230bp 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.

Contact

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Sequencing data

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WT    GCTGGTCACTCGGA**************GCAGGAGGGGAGAG
Mut   GCTGGTCACTCGGA***Deletion***GCAGGAGGGGAGAG
Allele-1：230bp deletion in exon2

WT    AAAATGGTCCAGGT**************GCAGGAGGGGAGAG
Mut   AAAATGGTCCAGGT***Deletion***GCAGGAGGGGAGAG
Allele-2：230bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and KISS1R knockout (KO) 293T cells, using sanger sequencing.

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