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INHA Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02571

Basic Information

Catalog No.
RM02571

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate multiple peptide products, including the alpha subunit of the inhibin A and B protein complexes. These complexes negatively regulate follicle stimulating hormone secretion from the pituitary gland. Inhibins have also been implicated in regulating numerous cellular processes including cell proliferation, apoptosis, immune response and hormone secretion. Mutations in this gene may be associated with male infertility and premature ovarian failure in female human patients. [provided by RefSeq, Aug 2016]

Gene Information

Gene Symbol
INHA

Species
Human

Gene ID
3623

Swiss Prot
P05111

Product Information

Description
INHA Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:106bp deletion in exon2;Allele-2:125bp 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
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.

Contact

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Sequencing data

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WT    CATACACGCAGCCG**********GGAGGACCCGTGGC
Mut   CATACACGCAGCCG***Deletion***GGAGGACCCGTGGC
Allele-1:   106bp deletion in exon2

WT    TCCGGCCATCCCAG**********ACCCGTGGCTGTGC
Mut   TCCGGCCATCCCAG***Deletion***ACCCGTGGCTGTGC
Allele-2:   125bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and INHA knockout (KO) HeLa cells, using sanger sequencing.