

INHA Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02571

Basic Information

Catalog No.

RM02571

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

INHA

Species

Human

Gene ID

3623

Swiss Prot

P05111

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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]

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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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 CATAACGCAGCCG*****GGAGGACCCGTGGC
Mut CATAACGCAGCCG***Deletion***GGAGGACCCGTGGC
Allele-1: 106bp deletion in exon2

WT TCCGGCCATCCCAG*****ACCCGTGGCTGTGC
Mut TCCGGCCATCCCAG***Deletion***ACCCGTGGCTGTGC
Allele-2: 125bp deletion in exon2

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