

UBE20 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50100

Basic Information

Catalog No.

RM50100

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

UBE20

Species

Human

Gene ID

63893

Swiss Prot

Q9C0C9

Synonyms

E2-230K; 20

Contact

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Background

Enables ubiquitin conjugating enzyme activity and ubiquitin protein ligase activity. Involved in positive regulation of BMP signaling pathway; protein ubiquitination; and retrograde transport, endosome to Golgi. Located in cytoplasm and nuclear body.

Product Information

Description

UBE20 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.

Allele-1:164bp deletion in exon1

Allele-2:163bp 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°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 GGTGTCGGGCCGTT*****CAGTGGTACCCGGA
Mut GGTGTCGGGCCGTT***Deletion***CAGTGGTACCCGGA
Allele-1: 164bp deletion in exon1

WT GTGTCGGGCCGTTA*****CAGTGGTACCCGGA
Mut GTGTCGGGCCGTTA***Deletion***CAGTGGTACCCGGA
Allele-2: 163bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and UBE2O knockout (KO) HeLa cells, using sanger sequencing.