

HMMR Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02278

Basic Information

Catalog No.

RM02278

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

HMMR

Species

Human

Gene ID

3161

Swiss Prot

O75330

Synonyms

CD168; IHABP; RHAMM

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Background

The protein encoded by this gene is involved in cell motility. It is expressed in breast tissue and together with other proteins, it forms a complex with BRCA1 and BRCA2, thus is potentially associated with higher risk of breast cancer. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Dec 2008]

Product Information

Description

HMMR Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:1bp deletion in exon2

Allele-2:77bp 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 GGCTAAATGCTGCA*****TAAGGGAAAAACA
Mut GGCTAAATGCTGCA***Deletion***TAAGGGAAAAACA
Allele-1: 1bp deletion in exon2
WT GTTCTTCTACAGGA*****TAAGGGAAAAACA
Mut GTTCTTCTACAGGA***Deletion***TAAGGGAAAAACA
Allele-2: 77bp deletion in exon2

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