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# HMMR Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02278

## **Basic Information**

## Catalog No.

RM02278

## Category

Cell Lysate

## **Parental Cell line**

HeLa

## Genotype

Knockout

## **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]

## **Gene Information**

## **Gene Symbol**

**HMMR** 

## **Species**

Human

## Gene ID

3161

## **Swiss Prot**

075330

## **Synonyms**

CD168; IHABP; RHAMM

## **Contact**

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## **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**

 ${\bf 1}$  vial parental cell Lysate and  ${\bf 1}$  vial knockout cell Lysate

Shipping Conditions Amount  $4^{\circ}$ C 50 $\mu$ L, 2 $\mu$ g/ $\mu$ L.

### 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  $1\times$  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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TAAGGGAAAAAACA Mut GGCTAAATGCTGCA\*\*\*Deletion\*\*\*TAAGGGAAAAAACA Allele-1: 1bp deletion in exon2

WT GTTCTTCTACAGGA\*\*\*\*\*\*\*\*\*\*\*TAAGGGAAAAAACA
Mut GTTCTTCTACAGGA\*\*\*Deletion\*\*\*TAAGGGAAAAAACA

Allele-2: 77bp deletion in exon2

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