

KRT81 Knockout cell line (MRC-5)

Catalog Number: KOA92175

Product Information	
Product Name	KRT81 Knockout cell line (MRC-5)
specification	1*10 ⁶
Storage and transportation	Shipped on dry ice; Store in liquid nitrogen
Cell morphology	Fibroblast-like, adherent
Passage ratio	1 : 2-1 : 3
species	Human
Gene	KRT81
Gene ID	3887
Build method	Electroporation/Lentivirus
Mycoplasma testing	negative
Cultivation system	90%DMEM+10%FBS
Price (USD)	Inquiry
Parental Cell Line	MRC-5
Quality Control	Genotype: KRT81 Knockout cell line (MRC-5)>95% viability before freezing. All cells were tested and found to be free of bacterial, viruses,mycoplasma and other toxins.

Gene Information	
Gene Official Full Name	keratin 81provided by HGNC
Also known as	HB1; K81; Hb-1; KRTHB1; MLN137; MNLIX2; ghHkb1; hHAKB2-1
Gene Description	The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. All hair keratins are expressed in the hair follicle; this hair keratin, as well as KRTHB3 and KRTHB6, is found primarily in the hair cortex. Mutations in this gene and KRTHB6 have been observed in patients with a rare dominant hair disease, monilethrix. Some human genome assemblies (example T2T-CHM13) have a non-coding version of the gene due to the presence of a SNP that introduces a premature stop codon after codon 281. [provided by RefSeq, Jan 2024]

Expression	Biased expression in placenta (RPKM 1.1), salivary gland (RPKM 0.5) and 13 other tissues See more
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