

Recombinant Human KRT81 cell lysate

Cat. No. KRT81-958HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

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.

Size 100 ul

Storage Buffer 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

GENE INFORMATION

Gene Name KRT81 keratin 81 [Homo sapiens]

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Official Symbol	KRT81
Synonyms	KRT81; keratin 81; keratin, hair, basic, 1 , KRTHB1; keratin, type II cuticular Hb1; hard keratin type II 1; Hb 1; K81; ghHb1; MLN 137; keratin-81; hair keratin K2.9; type-II keratin Kb21; keratin, hair, basic, 1; hard keratin, type II, 1; type II hair keratin Hb1; metastatic lymph node 137 gene protein; HB1; Hb-1; KRTHB1; MLN137; ghHkb1; hHAKB2-1;
Gene ID	3887
mRNA Refseq	NM_002281
Protein Refseq	NP_002272
MIM	602153
UniProt ID	Q14533
Chromosome Location	12q13
Function	protein binding; structural molecule activity;