

## Recombinant Human KRT81 cell lysate

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

### SPECIFICATION

**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 ]

**Official Symbol**

KRT81

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3887</a>
<b>mRNA Refseq</b>	<a href="#">NM_002281</a>
<b>Protein Refseq</b>	<a href="#">NP_002272</a>
<b>MIM</b>	<a href="#">602153</a>
<b>UniProt ID</b>	<a href="#">Q14533</a>
<b>Chromosome Location</b>	12q13
<b>Function</b>	protein binding; structural molecule activity;

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