

Recombinant Full Length Human KRT81 Protein

Cat. No. KRT81-270HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human KRT81 with N terminal proprietary tag; Predicted MW 48.33 kDa
Species	Human
Source	In Vitro Cell Free System
ProteinLength	202 amino acids
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.
Form	Liquid
Molecular Mass	48.330kDa inclusive of tags
Purity	Proprietary Purification

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Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name KRT81 keratin 81 [Homo sapiens]

Official Symbol KRT81

Synonyms KRT81; keratin 81; keratin, hair, basic, 1 , KRTHB1; keratin, type II cuticular Hb1; hard keratin type II 1; Hb 1

Gene ID 3887

mRNA Refseq NM_002281

Protein Refseq NP_002272

MIM 602153

UniProt ID Q14533

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