

Recombinant Human KRT83 Protein, GST-tagged

Cat. No. KRT83-4832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT83 full-length ORF (AAH69546.1, 1 a.a. - 493 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 KRTHB1 and KRTHB6, is found primarily in the hair cortex. [provided by RefSeq]
Molecular Mass	80.6 kDa
AA Sequence	MTCGFNSIGCGFRPGNFSCVSACGPRPSRCCITAAPYRGISCYRGLTGGFGSHSVC GGFRAGSCGRSFGYRSGGVCGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKQEEK EQIKSLNSRFAAFIDKVRFLQKLETKLQFYQNRECCQSNLEPLFAGYIETLRRE AECVEADSGRLASELNHVQEVLEGYKKKYEEEVALRATAENEFVALKKDVEDCAYLR KSDLEANVEALIQEIDFLRRLYEEIEIRILQSHISDTSVVVKLDNSRDNLNMDCIVAEIKAQ YDDIATRSRAEAESWYRSKCEEMKATVIRHGETLRRTKEEINELNRMQRLTAEVEN

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AKCQNSKLEAAVAQSEQQGEEAALSDARCKLAELEGALQKAKQDMACLIREYQEVM
 NSKLGLDIEIATYRRLLEGEEQRLCEGVEAVNVCVSSSRGGVVCGLCVSGSRPVT
 GSVCSAPCNGNLVVSTGLCKPCGQLNTTCGGGSCGQGRH

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	KRT83 keratin 83 [Homo sapiens]
Official Symbol	KRT83
Synonyms	KRT83; keratin 83; keratin, hair, basic, 3 , KRTHB3; keratin, type II cuticular Hb3; hard keratin type II; Hb 3; K83; hHb3; keratin-83; hair keratin K2.10; type-II keratin Kb23; keratin, hair, basic, 3; hard keratin, type II, 3; type II hair keratin Hb3; HB3; Hb-3; KRTHB3; MGC141663;
Gene ID	3889
mRNA Refseq	NM_002282
Protein Refseq	NP_002273

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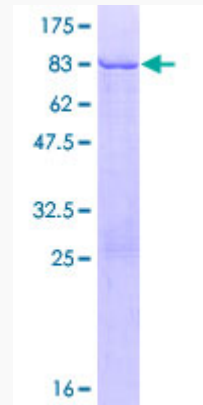
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MIM 602765

UniProt ID P78385

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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