Recombinant Human KRT82 Protein, GST-tagged

Cat. No. KRT82-4833H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT82 full-length ORF (AAI53100.1, 1 a.a. - 513 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 keratin appears to be a hair cuticle-specific keratin. [provided by RefSeq
Molecular Mass	82.83 kDa
AA Sequence	MSYHSFQPGSRCGSQSFSSYSAVMPRMVTHYAVSKGPCRPGGGRGLRALGCLGS RSLCNVGFGRPRVASRCGGTLPGFGYRLGATCGPSACITPVTINESLLVPLALEIDPT VQRVKRDEKEQIKCLNNRFASFINKVRFLEQKNKLLETKWNFMQQQRCCQTNIEPIF EGYISALRRQLDCVSGDRVRLESELCSLQAALEGYKKKYEEELSLRPCVENEFVALK KDVDTAFLMKADLETNAEALVQEIDFLKSLYEEEICLLQSQISETSVIVKMDNSRELDV DGIIAEIKAQYDDIASRSKAEAEAWYQCRYEELRVTAGNHCDNLRNRKNEILEMNKLI

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	QRLQQETENVKAQRCKLEGAIAEAEQQGEAALNDAKCKLAGLEEALQKAKQDMACL LKEYQEVMNSKLGLDIEIATYRRLLEGEEHRLCEGIGPVNISVSSSKGAFLYEPCGVS TPVLSTGVLRSNGGCSIVGTGELYVPCEPQGLLSCGSGRKSSMTLGAGGSSPSHKH
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	KRT82 keratin 82 [Homo sapiens]
Official Symbol	KRT82
Synonyms	KRT82; keratin 82; keratin, hair, basic, 2 , KRTHB2; keratin, type II cuticular Hb2; hard keratin type II 2; Hb 2; K82; keratin-82; type-II keratin Kb22; keratin, hair, basic, 2; hard keratin, type II, 2; type II hair keratin Hb2; HB2; Hb-2; KRTHB2;
Gene ID	3888
mRNA Refseq	NM_033033
Protein Refseq	NP_149022

MIM	601078
UniProt ID	Q9NSB4

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