

# Recombinant Full Length Human KRT82 Protein, GST-tagged

**Cat. No.** KRT82-6099HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human KRT82 full-length ORF ( AAI53100.1, 1 a.a. - 513 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	513 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	82.83 kDa
<b>AA Sequence</b>	<p>MSYHSFQPGSRCGSQSFSYSVAVMPRMVTHYAVSKGPCRPGGGRGLRALGCLGS  RSLCNVGFGRPRVASRCGGTLPFGYRLGATCGPSACITPVTINESLLVPLALEIDPT  VQRVKRDEKEQIKCLNNRFASFINKVRFLEQKNKLLKTNWFMQQQRCCQTNIEPIF  EGYISALRRQLDCVSGDRVRLESELCSLQAALLEGYKKKYEELSLRPCVENEFVALK  KDVDTAFLMKADLETNAEALVQEIDFLKSLYEEEEICLLQSQISETSVIVKMDNSRELDV</p>

 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

DGIIAEIKAQYDDIASRSKAEAEAWYQCRYEELRVTAGNHCDNLRNRKNEILEMNKLI  
 QRLQQETENVKAQRCKLEGAIAEAEQQGEAALNDAKCKLAGLEEALQKAKQDMACL  
 LKEYQEVMSKLGLDIEIATYRRLLLEGEEHRLCEGIGPVNISVSSSKGAFLYEPGVS  
 TPVLSTGVLRSNNGCSIVGTGELYVPCEPQGLLSCGSGRKSSMTLGAGGSSPSHKH

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

## GENE INFORMATION

<b>Gene Name</b>	KRT82 keratin 82 [ Homo sapiens ]
<b>Official Symbol</b>	KRT82
<b>Synonyms</b>	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;
<b>Gene ID</b>	3888
<b>mRNA Refseq</b>	NM_033033
<b>Protein Refseq</b>	NP_149022

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<b>MIM</b>	601078
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<b>UniProt ID</b>	Q9NSB4
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