

Recombinant Full Length Human KRT82 Protein, GST-tagged

Cat. No. KRT82-6099HF **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	In Vitro Cell Free System
ProteinLength	513 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 keratin appears to be a hair cuticle-specific keratin. [provided by RefSeq]
Molecular Mass	82.83 kDa
AA Sequence	MSYHSFQPGSRCGSQSFSSYSAVMPRMVTHYAVSKGPCRPGGGRRGLRALGCLGS RSLCNVGFGRPRVASRCGGTLPFGFYRLGATCGPSACITPVTINESLLVPLALEIDPT VQRVKRDEKEQIKCLNNRFASFINKVRFLEQKNKLLKTKWNFMQQQRCCQTNIEPIF EGYISALRRQLDCVSGDRVRLESELCSLQAALLEGYKKKYEEELSLRPCVENEFVALK KDVDTAFLMKADLETNAEALVQEIDFLKSLYEEEEICLLQSQISETSVIVKMDNSRELDV

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

DGIIAEIKAQYDDIASRSKAEAEAWYQCRYEELRVTAGNHCDNLRNRKNEILEMNKLI
 QRLQQETENVKAQRCKLEGAIAEAEQQGEAALNDAKCKLAGLEEALQKAKQDMACL
 LKEYQEVMSKLGLDIEIATYRRLLLEGEEHRLCEGIGPVNISVSSSKGAFLYPCGVS
 TPVLSTGVLRSNNGGCSIVGTGELYVPCEPQGLLSCGSGRKSSMTLGAGGSSPSHKH

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 , KRT82; 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; KRT82;

Gene ID 3888

mRNA Refseq NM_033033

Protein Refseq NP_149022

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

MIM	601078
-----	--------

UniProt ID	Q9NSB4
------------	--------

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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