

Full-Length

KRT82 (Human) Recombinant Protein (P01)

Catalog # H00003888-P01

Size 50 ug

Specification

Product Description	Human KRT82 full-length ORF (AA153100.1, 1 a.a. - 513 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSYHSFQPGSRCGSQSFSSYSVMPRMVTHYAVSKGPCRPGGGRGLRALGCLGSRSLCNVGF GRPRVASRCGGTLPGFYRLGATCGPSACITPVTINESLLVPLALEIDPTVQVRKRDEKEQIKCLN NRFASFINKVRFLEQKNKLLKTKWNFMQQQRCCQTNIEPIFEGYISALRRQLDCVSGDRVRLESEL CSLQAALLEGYKKKYEEELSLRPCVENEFVALKKDVEDTAFLMKADLETNAEALVQEIDFLKSLYEE EICLLQSQISETSVIVKMDNSRELDVDGIIAEIKAQYDDIASRSKAEAEAWYQCRYEELRVTAGNHC DNLRNRKNEILEMNKLIQRLQKETENVKAQRCKLEGAIAEAEQQGEAALNDAKCKLAGLEELQK AKQDMACLLKEYQEVMSKLGLDIEIATYRRLLEGEEHRLCEGIGPVNISVSSSKGAFLYPCGVS TPVLSTGVLRSNGGCSIVGTGELYPCPEQGLSCGSGRKSMTLGAGGSSPSHKH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	82.83
Interspecies Antigen Sequence	Mouse (85); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — KRT82

Entrez GeneID [3888](#)

GeneBank Accession# [BC153099.1](#)

Protein Accession# [AAI53100.1](#)

Gene Name KRT82

Gene Alias HB2, Hb-2, KRTHB2

Gene Description keratin 82

Omim ID [601078](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations hard keratin, type II, 2|keratin, hair, basic, 2