

Recombinant human KRT17 protein

Catalog Number: ATGP2580

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-432aa

UniProt No.

Q04695

NCBI Accession No.

NP_000413

Alternative Names

Keratin type I cytoskeletal 17, Keratin, type I cytoskeletal 17, K17, PC, PC2, PCHC1

PRODUCT SPECIFICATION

Molecular Weight

50.5 kDa (455aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KRT17, as known as keratin17, is a type I cytokeratin. It is found in nail beds, hair follicles, sebaceous glands, and other epidermal appendages. Mutations in KRT17 lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. Recombinant human KRT17 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MTTSIRQ FTSSSIKGS SGLGGSSRT SCRLSGGLGA GSCRLGSAGG

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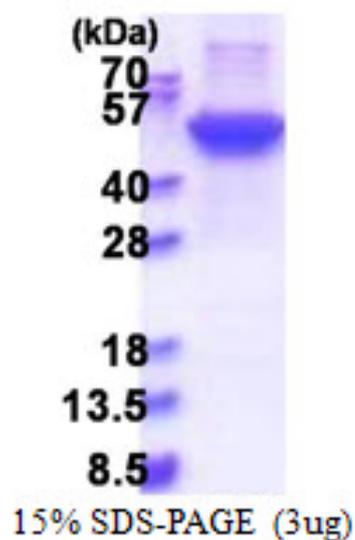
LGSTLGGSSY SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS YLDKVRAL EE ANTELEV KIR DWYQRQAPGP
ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETE Q ALRLSVEADI NGLRRVLDEL TLARADLEMQ
IENLKEELAY LKKNH EEEEMN ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQY EKMAEKN RKDAEDWFFS KTEELNREVA
TNS ELVQSGK SEISELRRTM QALEIELQSQ LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY
KILLDVKTRL EQEIATYRRL LEGEDAHLTQ YKKEPVTTTRQ VRTIVEEVQD GKVISSREQV HQTTR

General References

McLean WH. et al. (1995) Nat Genet. 9:273-278.
Trojanovsky SM. et al. (1993) Eur J Cell Biol. 59: 127-137.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.