

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 MGSMTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA GSCRLGSAGG LGSTLGGSSY

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SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS YLDKVRAL EE ANTELEV KIR DWYQRQAPGP ARDYSQYYRT
IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETEQ ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY
LKKNH E E E M N ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNSLVQSGK
SEISELRRTM QALEIELQSQ LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL
EQEIATYRRL LEGEDAHLTQ YKKEPVTTRQ VRTIVEEVQD GKVISSREQV HQTTR

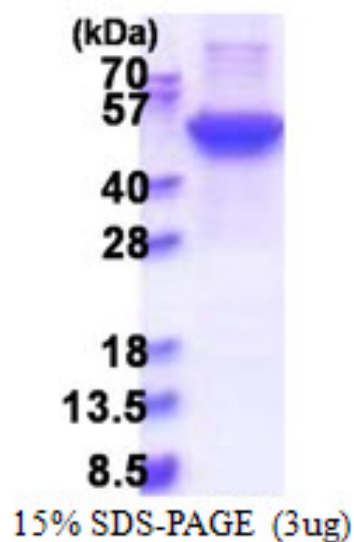
General References

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.