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 SSGLVPRGSH MGS>MTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA GSCRLGSAGG

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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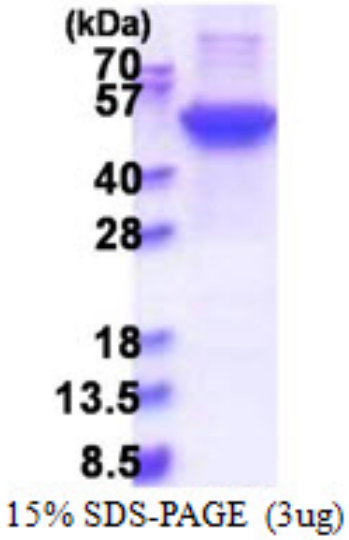
LGSTLGGSSY SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS YLDKVRALEE ANTELEVKIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETEQ ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY LKKNHEEEMN ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNSELVQSGK SEISELRRTM QALEIELQSQ LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL EQEIATYRRL LEGEDAHLTQ YKKEPVTTRQ VRTIVEEVQD GKVISSREQV HQTTR

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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