

Recombinant Human keratin 17, His-tagged

Cat. No. KRT17-483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KRT17, 1-432aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-432 a.a.
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	50.5 kDa(455aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA GSCRLGSAGG LGSTLGGSSY SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS YLDKVRAL EE ANTELEV KIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETE Q ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY LKKNHEEEMN ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNSLVQSGK SEISELRRTM QALEIELQSQ LSMKASLEGN

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LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL
EQEIATYRRL LEGEDAHLTQ YKKEPVTTRQ VRTIVEEVQD GKVISSREQV HQTTR

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [KRT17 keratin 17 \[Homo sapiens \]](#)

Official Symbol KRT17

Synonyms KRT17; keratin 17; PCHC1; keratin, type I cytoskeletal 17; 39.1; CK-17; keratin-17; cytokeratin-17; keratin 17 epitope S1; keratin 17 epitope S2; keratin 17 epitope S4; PC; K17; PC2;

Gene ID [3872](#)

mRNA Refseq [NM_000422](#)

Protein Refseq [NP_000413](#)

MIM [148069](#)

UniProt ID [Q04695](#)

Chromosome Location 17q21.2

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Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;
Function	protein binding; structural constituent of cytoskeleton;

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