

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 YLDKVRAL­EE ANTELEV­KIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETE­Q ALRLSVEADI NGLRRVLD­EL TLARADLEM­Q IENLKEELAY LKKNHEEEMN ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNS­ELVQSGK 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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