

## 32-4072: Recombinant Human Cytokeratin 17

**Alternative Name :** Keratin 17,PCHC1,39.1,CK-17,K17,PC2,PC,cytokeratin-17, Keratin 17 Epitope S1,Keratin 17 Epitope S2,Keratin 17 Epitope S4,Keratin, Type I Cytoskeletal 1,keratin-17,Cytokeratin-17,Keratin-17.

### Description

Source : Escherichia Coli. KRT17 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 455 amino acids (1-432 a.a) and having a molecular mass of 50.5kDa.KRT17 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cytokeratin 17 also known as KRT17 is a type I cytokeratin. KRT17 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. KRT17 takes part in the formation and maintenance of a variety of skin appendages, particularly in determining shape and orientation of hair. KRT17 also modulates the function of TNF-alpha in the precise context of hair cycling. Moreover, KRT17 regulates protein synthesis and epithelial cell growth all through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway.

### Product Info

**Amount :** 20 µg  
**Purification :** "Greaterthan 90% as determined by SDS-PAGE."  
**Content :** KRT17 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSMTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA  
 GSCRLGSAGG LGSTLGGSSY SSCYSFGSGG GYGSSFSGVD GLLAGGEKAT MQNLNDRLAS  
 YLDKVRAL EE ANTELEV KIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD  
 DFRTKFETE Q ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY LKKNH E EEMN ALRGQVGGEI  
 NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNS ELVQSGK SEISELRRTM  
 QALEIELQS Q LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL  
 EQEIATYRRL LEGEDAHLTQ YKKEPVTTTRQ VRTIVEEVQD GKVISSREQV HQTTR

