

## 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 :** "Greater than 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 :** MGSSHHHHHH SSGLVPRGSH MGSMTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA GSCRLGSAGG LGSTLGGSSY SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS YLDKVRAL EE ANTELEV KIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD DFRTKFETEQ ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY LKKNH EEEEMN ALRGQVGGEI NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNSLVQSGK SEISELRRTM QALEIELQSQ LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL EQEIATYRRL LEGEDAHLTQ YKKEPVTTRQ VRTIVEEVQD GKVISSREQV HQTTR

