

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 SGLVPRGSH MGSMTTSIRQ FTSSSSIKGS SGLGGGSSRT SCRLSGGLGA
 GSCRLGSAGG LGSTLGGSSY SSCYSFGSGG GYGSSFGGVD GLLAGGEKAT MQNLNDRLAS
 YLDKVRAL EE ANTELEV KIR DWYQRQAPGP ARDYSQYYRT IEELQNKILT ATVDNANILL QIDNARLAAD
 DFRTKFETEQ ALRLSVEADI NGLRRVLDEL TLARADLEMQ IENLKEELAY LKKNHEEEMN ALRGQVGGEI
 NVEMDAAPGV DLSRILNEMR DQYEKMAEKN RKDAEDWFFS KTEELNREVA TNSQLVQSGK SEISELRRTM
 QALEIELQSQ LSMKASLEGN LAETENRYCV QLSQIQGLIG SVEEQLAQLR CEMEQQNQEY KILLDVKTRL
 EQEATYRRL LEGEDAHLTQ YKKEPVTTTRQ VRTIVEEVQD GKVSSREQV HQTTR

