

Keratin, type I cytoskeletal 17 Recombinant Protein | KRT17 recombinant protein

Recombinant Bovine Keratin, type I cytoskeletal 17

CATALOG # AAA113174	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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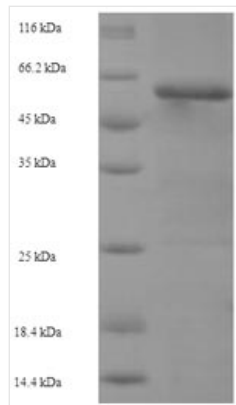
PRODUCT SYNONYMS

Keratin; type I cytoskeletal 17; Recombinant Bovine Keratin; Cytokeratin-17; CK-17; Keratin-17; K17; KRT17 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-441aa; Full-Length Protein
Sequence	MTTIRHFSS GSIKGSSGLA GGSSRSCRVS GSLGGGSCRL GSAGGLGSL GGSSYSSCYS FGSGGGYGSG GYVSGGYGGG FGGVDGLLVG GEKATMQNLN DRLASYLDKV RALEEANTELELKIRDWYQK QAPGPAPDYS SYFKTIEDLR NKIHTATVDN ANLLQIDNA RLAADDFTK FETEALRVSV EADINGLRR VLDELTLARA DLEMQIENLK EELAYLRKNH EEEMKALRGQ VGGEINVEMD AAPGVDSRI LNEMRDQYEK MAEKNRKDAE DWFFSKTEEL NREVTNSEL VQSGKSEISE LRRTLQALEI ELQSLSMKA SLEGLAETE NRYCMQLSQI QGLIGSVVEEQ LAQLRCMEQ QNQEYKILLD VKTRLEQEI TYRRLLEGED AHLTQYKKE PVTRQVRTI VEEVQDGRVI SSREQVHQTSH
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for KRT17 recombinant protein	Type I keratin involved in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair. Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state. Modulates the function of TNF-alpha in the specific context of hair cycling. Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway. Involved in tissue repair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "st cells". Acts as a promoter of epithelial proliferation by acting a regulator of immune response in skin: promotes Th1/Th17-dominated immune environment contributing to the development of basaloid skin tumors. May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target for autoreactive T-cells and hence causing their proliferation.
References	Characterization of 954 bovine full-CDS cDNA sequences.Harhay G.P., Sonstegard T.S., Keele J.W., Heaton M.P., Clawson M.L., Snelling W.M., Wiedmann R.T., Van Tassell C.P., Smith T.P.L.BMC Genomics 6:166-166(2005) NIH - Mammalian Gene Collection (MGC) project

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427776
NCBI GeneID	281889
NCBI Accession #	NP_001098792.1
NCBI GenBank Nucleotide #	NM_001105322.1
UniProt Accession #	A1L595; A5PJJ6
Molecular Weight	64.7 kDa
NCBI Official Full Name	keratin, type I cytoskeletal 17
NCBI Official Symbol	KRT17
NCBI Protein Information	keratin, type I cytoskeletal 17
UniProt Protein Name	Keratin, type I cytoskeletal 17
UniProt Gene Name	KRT17
UniProt Synonym Gene Names	CK-17; K17
UniProt Entry Name	K1C17_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/krt17-recombinant-protein-e-coli/113174>