

KRT17 cDNA

Catalog Number: ATGD0144

PRODUCT INFORMATION

Catalog number

ATGD0144

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000413.1

Alternative Names

K17, PC, PC2, PCHC1

mRNA Refseq

NM_000422.2

OMIM

148069

Chromosome location

17q21.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1299bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

KRT17 cDNA

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KRT17 encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in KRT17 lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex.

DATA

Sequence nucleotides

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ATGACCACCTCCATCCGCCAGTTCACCTCCTCCAGCTCCATCAAGGGCTCCTCCGGCCTGGGGGGCGGCTCGTCCCGCACC
TCCTGCCGGCTGTCTGGCGGCCTGGGTGCCGGCTCCTGCAGGCTGGGATCTGCTGGCGGCCTGGGCAGCACCTCGGGG
GTAGCAGCTACTCCAGCTGCTACAGCTTTGGCTCTGGTGGTGGCTATGGCAGCAGCTTTGGGGGTGTTGATGGGCTGCTGG
CTGGAGGTGAGAAGGCCACCATGCAGAACCTCAATGACCGCCTGGCCTCCTACCTGGACAAGGTGCGTGCCCTGGAGGAG
GCCAACACTGAGCTGGAGGTGAAGATCCGTGACTGGTACCAGAGGCAGGCCCGGGGGCCCGCCCGTGACTACAGCCAGTA
CTACAGGACAATTGAGGAGCTGCAGAACAAAGATCCTCACAGCCACCGTGGACAATGCCAACATCCTGCTACAGATTGACAA
TGCCCGTCTGGCTGCTGATGACTTCCGCACCAAGTTTGAGACAGAGCAGGCCCTGCGCCTGAGTGTGGAGGCCGACATCAA
TGGCCTGCGCAGGGTGCTGGATGAGCTGACCCTGGCCAGAGCCGACCTGGAGATGCAGATTGAGAACCTCAAGGAGGAG
CTGGCCTACCTGAAGAAGAACCACGAGGAGGAGATGAACGCCCTGCGAGGCCAGGTGGGTGGTGGATCAATGTGGAGAT
GGACGCTGCCCCAGGCGTGGACCTGAGCCGCATCCTCAACGAGATGCGTGACCAGTATGAGAAGATGGCAGAGAAGAACC
GCAAGGATGCCGAGGATTGGTTCTTCAGCAAGACAGAGGAACTGAACCGCGAGGTGGCCACCAACAGTGAGCTGGTGCAG
AGTGGCAAGAGTGAGATCTCGGAGCTCCGGCGCACCATGCAGGCCTTGGAGATAGAGCTGCAGTCCCAGCTCAGCATGAA
AGCATCCCTGGAGGGCAACCTGGCGGAGACAGAGAACCCTACTGCGTGACGCTGTCCCAGATCCAGGGGCTGATTGGCA
GCGTGGAGGAGCAGCTGGCCCAGCTTCGCTGCGAGATGGAGCAGCAGAACCAAGGAATACAAAATCCTGCTGGATGTGAAG
ACGCGGCTGGAGCAGGAGATTGCCACCTACCGCCGCTGCTGGAGGGAGAGGATGCCACCTGACTCAGTACAAGAAAGA
ACCGGTGACCACCCGTCAGGTGCGTACCATTGTGGAAGAGGTCCAGGATGGCAAGGTCATCTCCTCCCGCAGCAGGTCC
ACCAGACCACCCGCTGA
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Transaction Sequence

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MTTSIRQFTS SSSIKGSSGL GGGSSRTSCR LSGGLGAGSC RLGSAGGLGS TLGGSSYSSCYSFGSGGGYG SSFGGVDGLL
AGGEKATMQN LNDRLASYLD KVRALEEANT ELEVKIRDWYQRQAPGPARD YSQYYRTIEE LQNKILTATV DNANILLQID
NARLAADDFR TKFETEALRLSVEADINGL RRVLDLTLA RADLEMQIEN LKEELAYLKK NHEEEMNALR
GQVGGEINVEMDAAPGVDLS RILNEMRDQY EKMAEKNRKD AEDWFFSKTE ELNREVATNS ELVQSGKSEISELRRTMQAL
EIELQSQLSM KASLEGNLAE TENRYCVQLS QIQGLIGSVE EQLAQLRCEMEQQNQYKIL LDVKTRLEQE IATYRRLLEG
EDAHLTQYKK EPVTTRQVRT IVEEVQDGKVISSREQVHQT TR
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