

Product datasheet for **SC306983**

KRT74 (NM_175053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT74 (NM_175053) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT74
Synonyms:	ADWH; HTSS2; HYPT3; K6IRS4; KRT5C; KRT6IRS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306983 representing NM_175053.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGTCGGCAACTGAACATCAAGTCCAGTGGTGACAAGGGCAACTTCAGTGTGCATTTCGGCAGTGGTG
CCAAGGAAGCTGTGGTAGCCTGGCTTCTTACTGTGCAGCTGGCAGAGGGGCTGGCGCTGGCTTTGGC
AGTCGGAGCCTCTATAGCCTTGGAGGGAATCGGGTATTTCTTTCAATGTGGCTGGTGGCGCGTTCCGG
GCTGGAGGTTACGGCTTCAGGCCTGGCTCTGGGTATGGAGGGGGCCGGCCAGTGCTTTTCTGGCAGT
ATGTTTGGCAGTGTGGCCCTGGGGCTGCATGTTTGTCTGTGTGCCACCTGGGGCATCCACCAGGTC
ACTGTCAACAAGAGCCTTTGGCCCCCTCAACGTGGAGCTGGACCCTGAGATCCAGAAGGTGCCGCC
CAGGAGCGGGAACAGATCAAGGTGCTGAACGACAAGTTCGCCTCCTTCATTGACAAGGTACGCTTCTTA
GAGCAGCAGAACCAGGTTCTAGAAACCAAGTGGGAGCTGCTGCAGCAGCTGGACCTGAACAAGTCAAG
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GACAGGGTGGAGCTGGACTCGGAGCTGAGAAGCATGAGGGATCTGGTGGAGGACTATAAGAAGAGATAT
GAAGTGGAGATTAACCGGCGCACGACAGAGAGAAATGAGTTTGTGGTGTAAAGAAGGATGCAGATGCA
GCCTACGCAGTCAAGGTGGAGCTTCAGGCCAAAGTGGACTCACTGGACAAAGAAATCAAGTTCCTCAAG
TGTCTGTATGATGCAGAGATCGCTCAGATCCAGACTCACGCCAGTGGACCTCTGTATCCTGTCCATG
GACAACAACCGGGACCTGGACCTTGACAGCATCATCGCTGAGGTCGCATGCATTATGAGGAGATCGCC
CTGAAGAGCAAGGCCGAGGCCGAGGCCCTGTACCAGACCAAGATCCAGGAGCTGCAGCTGGCAGCCAGT
CGGCATGGTGACGACCTGAAACACACCAGGAGCGAGATGGTGGAGCTGAACCGGCTCATCCAGAGGATC
CGGTGTGAGATCGGGAATGTGAAGAAGCAGCGTGCCAGCCTGGAGACGGCCATCGCTGACGCTGAGCAG
CGGGGAGACAATGCCCTGAAGGATGCCAGGCCAAGCTGGATGAGCTGGAGGGCGCCCTGCACCAGGCC
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GAGATTGCCACCTACCGCAAGCTGCTGGAGGGCGAGGAGTGCAGGATGTCTGGTGAAGTCCATCCTCT
GTGAGCATCTCTGTATCAGCAGTAGCAGCTACAGCTACCACCACCCAGCTCTGCGGGTGTGACCTT
GGGGCCAGCGCTGTGGCAGGAGCTCTGGCAGCACCCAGAGCGGGCAGACCAAGACCACAGAGGCGCGA
GGGGGAGACCTCAAGGACACCCAGGGCAAGAGCACCCAGCCAGCATCCAGCAAGGAAAGCCACCCGC
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_175053

Insert Size: 1590 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_175053.3](#)

RefSeq Size: 2799 bp

RefSeq ORF: 1590 bp

Locus ID: 121391

UniProt ID: [Q7RTS7](#)

Cytogenetics: 12q13.13

MW: 57.9 kDa

Gene Summary: Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This protein belongs to a family of keratins that are specifically expressed in the inner root sheath of hair follicles.[provided by RefSeq, Jun 2009]