OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC101468

KRT86 (AK057905) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT86 (AK057905) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT86
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>NCBI ORF sequence for AK057905, the custom clone sequence may differ by one or more nucleotides

CATGCAGCTACAGCTGGAAGGGAAGAAGCACTACCCAGGCAAGCTGACCCCAAGCCTTAATTAGGCTTCT
CAGTAACAGGAATACCTGCTGCCAGATTACTGGATCTCAACTGAGATGAACAAGACTGCAATCTCAGATC
AGTGCCTGGGTGAACATGAGAGACTCAAACGGGGCTAGATCATACTTAAAGGACTTACACAAATTACCTG
TCTGGTTGCAGGGTGGGGAGGTTAAGAAACAAAACTTAAATGCTGCCAGGAGTGTGAGGACAGAGCACAC
TGAGAACCCTGGCAGGGCTGGGAAAGGGAAAGGTCTATGGGACCCACCTCTGCTCCTCGCCCTCCAGCAG
GCGCCTGTAGGTGGCGATCTCGATGTCCAGGCCCAGCTTGGAGTTCATCACCTCCTGGTACTCCCTGATC
AGGCAGGCCATGTCCTGCTTGGCCTTCTGCAGGGCACCCTCCAGCTCGGCCAACTTGCAGCGGGCATCGC
TGAGGGCCGCCTCACCCTGCTGCTCAGACTGAGCCACCGCAGCCTCCAGCTTGGAATTCTGAAGAGAACA
GAGAGAACAAGGTAGATTAGAGTCCCTGGGTCTCTCTGATGCTTACCTCGATGAGACCATGCTCCCCACC
AAGCTGGGAGCACCCCAGAACAGAGCCTCTTGCCTTCATCACCTGGGACTCACAGAGACCACAACCAGGG
ACTCTACATGGACAGAGGGGCTGGAGAATGAATGCTGAGATCCAGATAGGGCACACATAGGCTGTGTGAC
CATGGTTAGACCCTCGGTCTCTCTGACCTTGGGCACAGATGCCCCATACCTGGCACTTGGCATTCTCCAC
CTCAGCCGTCAGCCTCTGGATCATGCGGTTCAGCTCGTTGATCTCCTCCTTGGTGCGGCGCAGGGTCTCC
CCGTGCCTGATCACCGTGGCCTTCATCTCCTCACACTGGGGGAAGTAGAGATGCTCATGAGGTTCAGGGT
GGGACCTCCCACCCATTCAGGGCATGACAGATGATTTTGCAGGTTGTGCAGTGCTCAGCCTGTGCAACCA
CACATGGCAGTCCTGCCCTACCACCCCAACATCAGAGTGGCAGCCATCTCTTCTCATCCCTAGTGCATCC
CCAGAAAAGGAAGCCTATTTAATAGATAATCTCAAATCCCTCCCACTGCCATGTCTAGCAGGCAGGTGTC
CTGTGCCACTCACCTTGCTGCGGTACCAGGACTCGGCCTCAGCCCGGCTACGGGTGACAATGTCATCGTA
CTGTGCCTTGATCTCGGCAATGATGCAGTCCATGTTCAGGTCCCGGCTGTTGTCCAGCTTGACAACCACG
GAGGTGTCTGAGATGTGGGACTGGAGAACGCGGATCTCCTGCAGGAGGTGAGGGCAGTGACTTTAGTTGA
GAACACAGCCCCACCCACCATGTCCTGACTCCACCTCCTCAGGCTTTCTCTGGTCCCCAACCCTGCCCCC
TCACACAGCCTCAGGGACTGCAACCTCTACCCACATCCTGTCCAACACTCCCACCCCCATCTCTCCTCTC
TGCTGGCTGCCAGGTCTCTGCCTGGCCCCTGAGCCCGCACCTCCTCATACAGCCGCCTCAGGAAGTCGAT
CTCCTGGATCAGGGCCTCCACATTGGCCTCCAGGTCTGATTTGCGGAGGTAGGCGCAGTCCACATCCTGG
AAAGGTGGGGAGTGTTGGAGCTCAAGGACCCTGGTGATCCAGCCTCTAGATTCCTCTCTCTTCCCACCCA
TTCCATGAAGCCTGGGGAAAGGAGTCCCCAGTGTCTCATTCCCATGCCCTCTCCTTCCCTTCTGGCCCTT
CCCGGGGTGACCTGGCATCCTCTGCCATTCTGAGGACAAACCCTGTTTGTCTTGGGCACGGCTCACCAGC
CTTTCACTGCTCCTTACCCTCTTATCTCTCCTTTCTCCCCTCTCCTGCTCCAGGAGGCCTGCCCAGACTG
ACCCCCCAGCTCTCACACCCTGACCCTTTCCTGTCCCCCAGCAGTGCTCCAAAAGCCCAAGGGCTACTCC
TGGTTCTTCTCCATCCCCCCTTAGAACCTGGGATTGTGTCTCTGCCTCAAGGTCAGACTCCCCAAAATGC
TAGACAGACTGCACTGTCTCTCAGCAGAGACATTGTATCTGCTATGGCTCCAGGGGCCTCAGCAATAGAC
CACAACCTCTGGAACAGAGCAGGACACACAGAGGACAGTGCAGCCATCCCCTTGCCCAAGGTAGGTGCTG
GTAGATATTCCCAAGTCATTGCCCTTTGTCAAGGCCCTGGATGCTCAATACAAAGGCCTGCATCTGGGCA
GTCCTAGCCTGCTGTGGGAAGGTCATTGTGCCCCACGCTGAGGTTGAGACCCCCTGTGTGTCCCCAGGAA
GAATCTGTCATTCTGAGATCCCACAGATCTGTGCTTCTC

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

5' Read Nucleotide Sequence:

>OriGene 5' read for AK057905 unedited
NGTCAAAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGCTGGAAGG
GAAGAAGCACTACCCAGGCAAGCTGACCCCAAGCCTTAATTAGGCTTCTCAGTAACAGGA
ATACCTGCTGCCAGATTACTGGATCTCAACTGAGATGAACAAGACTGCAATCTCAGATCA
GTGCCTGGGTGAACATGAGAGACTCAAACGGGGCTAGATCATACTTAAAGGACTTACACA
AATTACCTGTCTGGTTGCAGGGTGGGGAGGTTAAGAAACAAAACTTAAATGCTGCCAGGA
GTGTGAGGACAGAGCACACTGAGAACCCTGGCAGGGCTGGGAAAGGGAAAGGTCTATGGG
ACCCACCTCTGCTCCTCGCCCTCCAGCAGGCGCCTGTAGGTGGCGATCTCGATGTCCAGG
CCCAGCTTGGAGTTCATCACCTCCTGGTACTCCCTGATCAGGCAGGCCATGTCCTGCTTG
GCCTTCTGCAGGGCACCCTCCAGCTCGGCCAACTTGCAGCGGGCATCGCTGAGGGCCGCC
TCACCCTGCTGCTCAGACTGAGCCACCGCAGCCTCCAGCTTGGAATTCTGAAGAGAACAG
AGAGAACAAGGTAGATTAGAGTCCCTGGGTCTCTCTGATGCTTACCTCGATGAGACCATG
CTCCCCACCAAGCTGGGAGCACCCCAGAACAGAGCCTCTTGCCTTCATCACCTGNGACTC
ACAGAGACCACAACCAGGGACTCTACATGGACAGAGGGGCTGGAGAATGATGCTGAGATC
AGATGGGCACACATAGCTGGTGACCATGGTAGACNNCTCGTCTTCTGACCTTGGCACAGA
TGCCCATACCTGCACTTGGCATTCTCACCTCANCGTCAGCTCTGANNCATGCGTCAGCTC
GTGACTCTTCTGGCCGGGGCAGGTCTCCGTGCTGANACCGTGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for AK057905 unedited
AATGGGGGTTGGACAGAACCCTTTTCNGGGGTACACACAGGGAGGTCTCAACCTCAGCGT
GGGGCACAATGACCTTTCCACAGCAGCTAGGACTGCCCAGATGCAGGCCTTTGTATTGAG
CATCCAGGGCCTTGACAAAGGGCAATGACTTGGGAATATCTACCAGCACCTACCTTGGGC
AAGGGGATGGCTGCACTGTCCTCTGTGTGTCCTGCTCTGTTTTAGAGGTTGTGGTCTATT
GCTGAGGCCCCTGGAGCCATAGCAGATACAATGTCTCTGCTGAGAGACAGTGCAGTCTGT
CTAGCATTTTGGGGAGTCTGACCTTGAGGCAGAGACACAATCCCAGGTTCTAAGGGGGGA
TGGAGAAGAACCAGGAGTAGCCCTTGGGCTTTTGGAGCACTGCTGGGGGACAGGAAAGGG
TCAGGGTGTGAGAGCTGGGGGGTCAGTCTGGGCAGGCTTCCTGGAGCAGGAGAGGGGAGA
AAGGAGAGATAAGAGGGTAAGGAGCAGTGAAAGGCTGGTGAGCCGTGCCCAAGACAAACA
GGGTTTGTCCTCAGAATGGCAGAGGATGCCAGGTCACCCCGGGAAGGGCCAGAAGGGAAG
GAGAGGGCATGGGAATGAGACACTGGGGACTCCTTTCCCCAGGCTTCATGGAATGGGTGG
GAAGAGAGAGGAATCTANGAGCTGGATCACCAGGGTCCTTGAGCNNTCACACTCCCCACC
TTTCCAGGATGTGGACTGCGCCTACCTCCGCAAATCAGACCTGGAGCCCAATGTGGAGCC
CTGATCCAGGAGATCGACTTCCTGNAGCGGCTGTATGAGGAGGTGCCGGCTCAGGGGCCC
AGCAGAGACCTGGCANCCANCANANAGAAAGATGGGGTGGGAGTGTTGACAGATTGGTTA
NAAGGTTTCAATCCCCTAGACTTTTTAAGGGGCCAGTTTGGGACCCAAAAAGCCTT

Restriction Sites: NotI-NotI

ACCN: AK057905

Insert Size: 2500 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).

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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:	AK057905.1
RefSeq Size:	2419 bp
RefSeq ORF:	2419 bp
Locus ID:	3892
Cytogenetics:	12q13.13
Gene Summary:	This gene encodes a type II keratin protein, which heterodimerizes with type I keratins to form hair and nails. This gene is present in a cluster of related genes and pseudogenes on chromosome 12. Mutations in this gene have been observed in patients with the hair disease monilethrix. [provided by RefSeq, Feb 2016]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US