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Product datasheet for SC303168

KRT86 (NM_002284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT86 (NM_002284) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT86
Synonyms:	Hb1; HB6; hHb6; KRTHB1; KRTHB6; MNX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

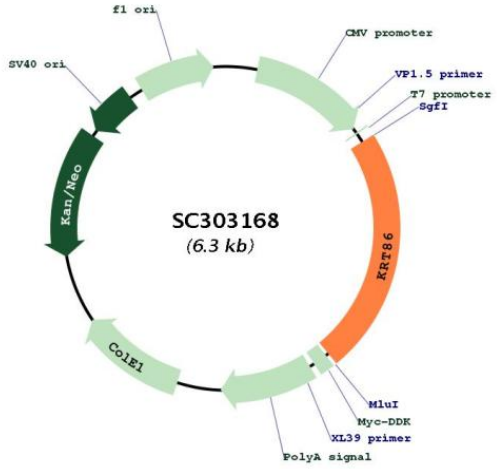
Fully Sequenced ORF:

>SC303168 representing NM_002284.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTTGTGGATCTTACTGTGGTGGCCGCGCCTTCAGCTGCATCTCGGCCTGCGGGCCCCGGCCCGGC
CGCTGCTGCATCACCGCCGCCCCCTACCGTGGCATCTCCTGCTACCGCGGCCTCACCGGGGGCTTCGGC
AGCCACAGCGTGTGCGGAGGCTTTCGGGCCGGCTCCTGCGGACGCAGCTTCGGCTACCGCTCCGGGGGC
GTGTGCGGGCCCAGTCCCCCATGCATCACCACCGTGTCGGTCAACGAGAGCCTCCTCACGCCCCTCAAC
CTGGAGATCGACCCCAACGCGCAGTGCGTGAAGCAGGAGGAGAAGGAGCAGATCAAGTCCCTCAACAGC
AGGTTCGCGGCCTTCATCGACAAGGTGCGCTTCCTGGAGCAGCAGAACAAACTGCTGGAGACAAAGCTG
CAGTTCTACCAGAACCGCGAGTGTTGCCAGAGCAACCTGGAGCCCCTGTTTGAGGGCTACATCGAGACT
CTGCGGCGGGAGGCCGAGTGCGTGGAGGCCGACAGCGGGAGGCTGGCCTCAGAGCTTAACCACGTGCAG
GAGGTGCTGGAGGGCTACAAGAAGAAGTATGAGGAGGAGGTTTCTCTGAGAGCAACAGCTGAGAACGAG
TTTGTGGCTCTGAAGAAGGATGTGGACTGCGCCTACCTCCGCAAATCAGACCTGGAGGCCAATGTGGAG
GCCCTGATCCAGGAGATCGACTTCCTGAGGCGGCTGTATGAGGAGGAGATCCGCGTTCTCCAGTCCCAC
ATCTCAGACACCTCCGTGGTTGTCAAGCTGGACAACAGCCGGGACCTGAACATGGACTGCATCATTGCC
GAGATCAAGGCACAGTACGATGACATTGTCACCCGTAGCCGGGCTGAGGCCGAGTCCTGGTACCGCAGC
AAGTGTGAGGAGATGAAGGCCACGGTGATCAGGCACGGGGAGACCCTGCGCCGCACCAAGGAGGAGATC
AACGAGCTGAACCGCATGATCCAGAGGCTGACGGCTGAGGTGGAGAATGCCAAGTGCCAGAATTCCAAG
CTGGAGGCTGCGGTGGCTCAGTCTGAGCAGCAGGGTGAGGCGGCCCTCAGCGATGCCCGCTGCAAGTTG
GCCGAGCTGGAGGGTGCCCTGCAGAAGGCCAAGCAGGACATGGCCTGCCTGATCAGGGAGTACCAGGAG
GTGATGAACTCCAAGCTGGGCCTGGACATCGAGATCGCCACCTACAGGCGCCTGCTGGAGGGCGAGGAG
CAGAGGCTGTGCGAGGGCGTCGGCTCGGTGAATGTCTGCGTCAGCAGCTCCCGCGGTGGCGTTGTCTGT
GGCGATCTCTGCGCCTCCACTACTGCCCCTGTTGTCTCCACCAGAGTCAGTAGCGTCCCCAGCAACAGC
AACGTGGTGGTGGGCACTACTAACGCCTGCGCCCCCTCCGCCCGGGTTGGCGTCTGCGGCGGCAGCTGT
AAGAGGTGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_002284

Insert Size:	1461 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_002284.3
RefSeq Size:	2091 bp
RefSeq ORF:	1461 bp
Locus ID:	3892
Cytogenetics:	12q13.13
MW:	53.5 kDa
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]