

Product datasheet for **SC303167**

KRT85 (NM_002283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT85 (NM_002283) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT85
Synonyms:	ECTD4; Hb-5; HB5; hHb5; K85; KRTHB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC303167 representing NM_002283.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGTGCCGCTCCTACAGGATCAGCTCAGGATGCGGGGTACCAGGAACCTCAGCTCCTGCTCAGCT
GTGGCCCCAAAACCTGGCAACCGCTGCTGCATCAGCGCCGCCCTACCGAGGGGTGCTCTGCTACCGA
GGGCTGACGGGCTTCGGCAGCCGAGCCTCTGCAACCTGGGCTCCTGCGGGCCCCGGATAGCTGTAGGT
GGCTTCCGAGCCGGCTCCTGCGGACGAGCTTCGGCTACCGCTCCGGGGCGGTGTGCGGACCCAGCCCC
CCATGCATCACTACCGTGTGGTCAACGAGAGCCTCCTCAGCCCTCAACCTGGAGATCGACCCCAAC
GCACAGTGCCTGAAGCAGGAGGAGAAGGAGCAGATCAAGTCCCTCAACAGCAGGTTCCGGGCTTCATC
GACAAGGTGCGCTTCTGGAGCAGCAGAACAAGTGTGGAGACCAAGTGGCAGTTCTACCAGAACCAG
CGCTGCTGCGAGAGCAACCTGGAGCCACTGTTCACTGGCTACATCGAGACTCTGCGGCGGGAGGCCGAG
TGGTGGAGGCCGACAGCGGGAGGCTGGCCTCAGAGCTCAACCATGTGCAGGAGGTGCTGGAGGGCTAC
AAGAAGAAGTATGAAGAGGAGGTGGCCCTGAGAGCCACAGCAGAGAATGAGTTTGTGCTTCTAAAGAAG
GACGTGGAAGTGTGCTACCTGCGGAAATCAGACCTGGAGGCCAATGTGGAGGCCCTGGTGGAGGAGTCT
AGCTTCTGAGGCGCCTCTATGAAGAGGAGATCCGCGTTCTCAAGCCCACATCTCAGACACCTCGGTC
ATAGTCAAGATGGACAACAGCCGAGACCTGAACATGGACTGCATCATCGCTGAGATCAAGGCTCAGTAT
GACGATGTTGCCAGCCGAGCCGGGCGGAGGCTGAGTCTGGTACCGTAGCAAGTGTGAGGAGATGAAG
GCCACGGTGATCAGGCATGGGGAGACCTGCGCCGCACCAAGGAGGAGATCAACGAGCTGAACCGCATG
ATCCAGAGGTGACGCGCCGAGATTGAGAATGCCAAGTGCCAGCGTGCCAGCTGGAGGCTGCTGTGGCT
GAGGCAGAGCAGCAGGGTGAGGCGGCCCTCAGCGATGCCCGCTGCAAGCTGGCTGAGCTGGAGGGCGCC
CTGCAGAAGGCCAAGCAGGACATGGCCTGCCTGCTCAAGGAGTACCAGGAGGTGATGAATCCAAGCTG
GGCCTGGACATCGAGATCGCCACCTACAGGCGCCTGCTGGAGGGCGAGGAACACAGGCTGTGTGAAGGT
GTGGGCTCTGTGAATGTCTGTGTGTCAGCAGCTCCCGTGGTGGAGTCTCCTGTGGGGCCTCTCCTACAGC
ACCACCCAGGGCGCCAGATCACTTCTGGCCCTCAGCCATAGGCGGCAGCATCACGGTGGTGGCCCT
GACTCCTGTGCCCTGCCAGCCTCGTTCTCCAGCTTCACTGCGGGAGTAGCCGGTGGTCCGCTT
GCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_002283

Insert Size: 1524 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_002283.3](#)

RefSeq Size: 2491 bp

RefSeq ORF: 1524 bp

Locus ID: 3891

UniProt ID: [P78386](#)

Cytogenetics: 12q13.13

MW: 55.8 kDa

Gene Summary: The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. [provided by RefSeq, Jul 2008]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).