

Product datasheet for SC335156

KRT85 (NM_001300810) Human Untagged Clone

Product data:

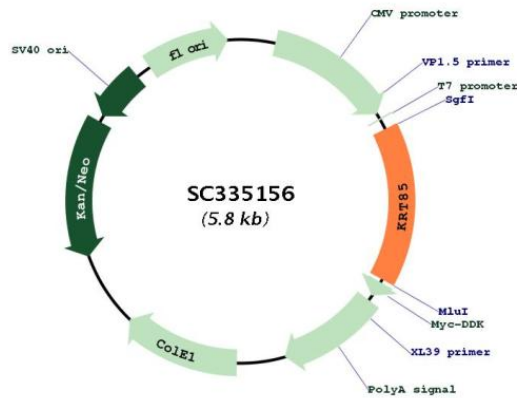
Product Type:	Expression Plasmids
Product Name:	KRT85 (NM_001300810) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT85
Synonyms:	ECTD4; Hb-5; HB5; hHb5; K85; KRTHB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335156 representing NM_001300810. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTATTCAAGGTCCAGTTTCTCAGCTCCAGACCTTCTCTCTCCACACCCAGGACGTGGACTGTGCC
TACCTGCGGAAATCAGACCTGGAGGCCAATGTGGAGGCCCTGGTGGAGGAGTCTAGCTTCTGAGGCGC
CTCTATGAAGAGGAGATCCGCGTTCTCCAAGCCACATCTCAGACACCTCGGTATAGTCAAGATGGAC
AACAGCCGAGACCTGAACATGGACTGCATCATCGCTGAGATCAAGGCTCAGTATGACGATGTTGCCAGC
CGCAGCCGGGCCGAGGCTGAGTCTGGTACCGTAGCAAGTGTGAGGAGATGAAGGCCACGGTGATCAGG
CATGGGGAGACCCTGCGCCGACCAAGGAGGAGATCAACGAGCTGAACCGCATGATCCAGAGGCTGACG
GCCGAGATTGAGAATGCCAAGTGCCAGCGTGCCAAGCTGGAGGCTGCTGTGGCTGAGGCAGAGCAGCAG
GGTGAAGCGGCCCTCAGCGATGCCCGCTGCAAGCTGGCTGAGCTGGAGGGCGCCCTGCAGAAGGCCAAG
CAGGACATGGCCTGCCTGCTCAAGGAGTACCAGGAGGTGATGAACTCCAAGCTGGGCCTGGACATCGAG
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GTCTGTGTGTCAGCAGCTCCCGTGGTGGAGTCTCCTGTGGGGCCTCTCCTACAGCACCCACAGGGCGC
CAGATCACTTCTGGCCCCTCAGCCATAGGCGGCAGCATCACGGTGGTGGCCCCTGACTCCTGTGCCCC
TGCCAGCCTCGTTCTCCAGCTTCAGCTGCGGGAGTAGCCGGTCCGGTCCGCTTTGCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001300810

Insert Size: 888 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).

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_001300810.1](#)

RefSeq Size: 1937 bp

RefSeq ORF: 888 bp

Locus ID: 3891

UniProt ID: [P78386](#)

Cytogenetics: 12q13.13

MW: 32.5 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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (2) has a distinct N-terminus, and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.