

## Product datasheet for SC303162

### KRT31 (NM\_002277) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | KRT31 (NM_002277) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | KRT31   |
| Synonyms:                 | Ha-1; HA1; hHa1; KRTHA1   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >SC303162 representing NM_002277.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

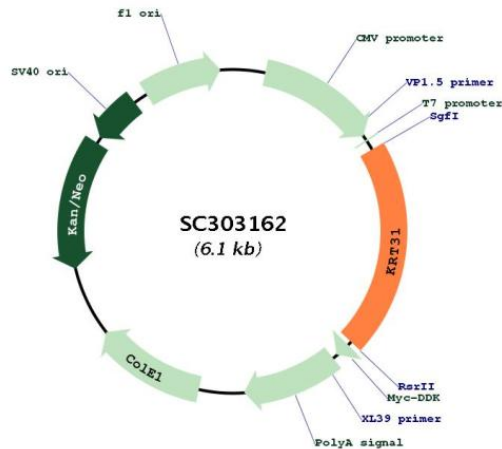
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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ATGCCCTACAACCTCTGCCTGCCAGCCTGAGCTGCCGCACCAGCTGCTCCTCCCGGCCCTGCGTGCCC
CCCAGCTGCCACAGCTGCACCCTGCCGGGGCCTGCAACATCCCCGCAATGTGAGCAACTGCAACTGG
TTCTGCGAGGGCTCCTTCAATGGTAGCGAGAAGGAGACTATGCAGTTCCTGAACGACCGCTGGCCAGC
TACCTGGAGAAAGTTCGCTCAGCTGGAGCGGGACAACGCGGAGCTGGAGAACCTCATCCGGGAGCGGTCT
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CGCCTCAATGTGGAGGTGGATGCTGCTCCCACTGTGGACCTGAATCGGGTGTGAACGAGACCAGGAGT
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TCCCAGCTGGCGGAGATCCGCAGTGACCTGGAGCGGCAGAACCCAGGAGTACCAGGTGCTGCTGGATGTG
CGTGCCCGGCTGGAGTGTGAGATCAACACATACCGGAGCCTGCTGGAGAGCGAGGACTGCAATCTGCC
AGCAATCCCTGTGCCACGACCAACGCGTGCAGCAAGCCCATCGGACCCTGTCTCTCAATCCCTGTACC
TCTTGTGTCCCTCCTGCCCCCTGCACACCTGTGCCCCAGCCCCGCTGTGGCCCTGCAATTCCTTC
GTGCGTAG
AGCGGACCGACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
```



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Restriction Sites: SgfI-RsrII

**Plasmid Map:**



ACCN: NM\_002277

Insert Size: 1251 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\\_002277.2](#)

RefSeq Size: 1616 bp

RefSeq ORF: 1251 bp

Locus ID: 3881

UniProt ID: [Q15323](#)

Cytogenetics: 17q21.2

MW: 47.2 kDa

**Gene Summary:** The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq, Jul 2008]