

Product datasheet for **SC307304**

KRT27 (NM_181537) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT27 (NM_181537) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT27
Synonyms:	K25IRS3; KRT25C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307304 representing NM_181537.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTGTGCGCTTTTCTTACCTCCAGGAGACTTGGCTTTGCGGGGGCACTGGCTCTGTGAGGCTC
TCTAGTGGGGGAGCAGGCTTTGGGGCTGGAAACACATGCGGTGTGCCAGGCATTGGAAGTGGCTTCTCT
TGTGCTTTTGGGGCAGCTCATCTGCAGGAGGCTATGGCGGAGGTCTGGCGGGGGAAGTCTTCTGT
GCTGCCTTACAGGGAATGAGCACGGCCTCCTCTGGCAATGAGAAGGTGACCATGCAGAACCTCAAC
GACCGCTTGGCCTCCTACCTGGAGAATGTTGAGCCCTAGAGGAGGCCAACGCTGACTTGGAGCAGAAG
ATCAAGGGGTGGTATGAGAAATTTGACCTGGTCTTGGCGTGGCCTTGATCATGATTACAGCAGATAT
TTCCAATTATTGACGAACCTAAGAACCAGATAATTTCTGCAACTACCAGTAATGCCCATGTTGCCTG
CAAAATGATAATGCAAGACTAACAGCTGATGACTTCAGACTAAAGTTTAAAACGAGCTAGCGCTTAC
CAGAGCGTGGAGCGGACATCAATGGTTTGCAGAGTCTGGATGAGCTGACCTTGTGCAGAACGGAC
CTGGAGATCCAGCTGAAACTCTCAGTGAGGAGCTCGTTACCTCAAGAAGAATCATGAGGAGGAAATG
AAAGCTCTCAGTGCGCGCTGGAGGCAACGTGAACGTGGAGATGAACCGGCCCCCGGGGTAGACCTC
ACGGTTCTGCTGAACAATATGCGAGCTGAGTACGAAGCCCTCGCAGAGCAGAACCAGGAGCGCGGAG
GCCTGGTTCAACGAAAAGAGCGCCTCGCTGCAGCAGCAGATCTCTGACGACGCTGGCGCCACCACCTCA
GCCCGAATGAGCTTATCGAGATGAAACGCACTTTCAAACCCTTGAGATTGAACTTCAGTCCCTCTTA
GCAACGAAACACTCCCTGGAGTGCTCCTTGACAGAGACCAGAGTAAGTACTGTGCACAGCTGGCACAG
ATCCAGGCTCAGATCGGGGCCCTGGAGGAGCAGCTGCACCAGGTGAGAACCAGAGCCGAGGGCCAGAAG
CTCGAGTATGAGCAGCTCCTTGACATCAAGTCCACCTGGAAAAAGAAATGAGACCTACTGCCTCCTG
ATAGATGGAGAAGATGGCTCCTTAAATCAAAGGCTATGGAGGCCAGGAAATCAAACAAAAGAT
TCATCTAAAACCCACATTGTCAAACAGTTGTTGAAGAGATAGATCCTCGTGGCAAAGTTCTCATCC
AGAGTTCACACTGTGGAAGAGAAATCCACCAAAGTCAACAACAAGAATGAACAGAGGGTGTCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-Mlul
- Plasmid Map:** □
- ACCN:** NM_181537
- Insert Size:** 1380 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_181537.3](#)

RefSeq Size: 1612 bp

RefSeq ORF: 1380 bp

Locus ID: 342574

UniProt ID: [Q7Z3Y8](#)

Cytogenetics: 17q21.2

MW: 49.8 kDa

Gene Summary: This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009]