

## Product datasheet for **RN200834**

### **Krt5 (NM\_183333) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt5 (NM_183333) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt5
Synonyms:	Krt2-5; Sak57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200834 representing NM\_183333  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTCGCCAGTCCAGTGTGTCTTCCGAAGCGGGGACGCCGCTTTTCAGCGCCGCTTCTGCCATCA  
 CCCCATCTGTCTCTCGTACCACCTTCAGCTCGGTGTCCCGCAGTGGTGGTGGTGGCAGGGTCAGCCT  
 TGGTGGCGCTTACGGAGCCGGGGCTATGGCAGCCGAAGCCTGTACAATGTGGGGGCTCCAAAAGGATC  
 TCCTTCAGTTCTGGCGGAGGTAGCTTCAGGAACCAATTTGGTGCCGGTGTGGAGCGGCTATGGCTTTG  
 GAGGAGGAGCAGGCAGTGGATTCGGCTTTGGTGGTGGAGCTGGCAGTGGCTTTGGCTTCGTTGGTGGAGC  
 TGGCTTTGGTGGTGGCTATGGTGGAGCTGGCTTCCTGTGTGCCCCCTGGTGGCATCCAAGAGGTCAAC  
 GTTAACCAAGAATCTCTCACACCCTGAACCTGCAAATCGATCCCACCATCCAGCGGGTCAGGACTGAGG  
 AGAGGGAGCAGATCAAGACCCTCAACAACAAGTTGCCTCTTCATCGACAAGGTGCGGTTCTGGAGCA  
 GCAGAACAAGGTCTGGACACCAATGGACCCTGCTGCAGGAGCAGGGCACCAGACCATAAAGCAGAAC  
 CTGGATCCGTTGTTTGAACAGTACATTAACAACCTCCGTAGACAGCTGGATGGGGTCATGGGGGAGAGGG  
 GCCGCCTGGACTCGGAGCTGAGGAACATGCAGGATCTGGTGGAGGACTACAAGAACAAGTACGAGGATGA  
 GATCAACAAGCGTACCACGGCTGAGAATGAATTCGTGATGTTGAAGAAGGATGTGGACGCGGCCTACATG  
 AACAAAGTGGAGCTAGAAGCTAAGTTGATGCCCTAATGGACGAGATCAACTTCATGAAGATGTTCTTTG  
 ATGCGGAGCTGTCCAGATGCAGACACATGTCTCTGACACATCTGTGGTCTCTCCATGGACAACAACCG  
 TAGCCTGGACCTGGACAGCATCATCGCTGAGGTCAAGGCCAGTACGAGGACATTGCCAACCGCAGCCGA  
 ACAGAGGCTGAGTCTGGTACCAGACCAAGTACGAGGAGCTGCAGCAGACAGCCGGCCGGCACGGAGATG  
 ACCTCCGCAACACCAAGCATGAGATCTCAGAGATGAACCGGATGATCCAGAGGCTGAGATCCGAGATCGA  
 CAATGTCAAGAAGCAGTGTGCCAACCTCCAGAATGCCATCGCCGAGGCTGAGCAGCGTGGGGAGCTGGCT  
 CTCAAGGATGCCAGAAACAAGCTGACTGAGCTGGAGGAGGCCCTGCAGAAGGCCAAGCAGGACATGGCCC  
 GGCTGCTGCGCGAGTACCAGGAGCTCATGAACACCAAGCTGGCCCTGGATGTGGAGATCGCCACCTACAG  
 GAAGCTGCTGGAGGGACAGGAGTGCAGGCTGAGTGGAGAAGGAGTTGGACCGGTCAACATCTCTGTCTGTC  
 ACTAACAGCCTCTCTTCTGGCTATGGAGGAAGAAGCAACATTGGCTATGGCTTTGGTTTGGGCGAGTGGCA  
 TTGGGGTTTTGCCTCAGATATCGGCCCGCTCTTGAACAGGCTCGGTTTGGGTAGTGGGCTCAGTGTGGG  
 GGGCTCCGGCTTCAGTGAAGCAGTGGTCAAGGTGGGGTTTTCAGCAGTGGTGGTGGCAGCAGCTCCAGT  
 GTCCAATTTGTCTCCACCACCTCTCTCCCGGAGGAGCTTCAACAGT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_183333
- Insert Size:** 1731 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\\_183333.1](#), [NP\\_899162.1](#)

**RefSeq Size:** 2088 bp

**RefSeq ORF:** 1731 bp

**Locus ID:** 369017

**UniProt ID:** [Q6P6Q2](#)

**Cytogenetics:** 7q36

**Gene Summary:** cytoskeletal intermediate filament protein; provides a cortical scaffold to primary spermatocytes [RGD, Feb 2006]