

## Product datasheet for **RN203147**

### **Krt7 (NM\_001047870) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt7 (NM_001047870) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt7
Synonyms:	Krt2-7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203147 representing NM\_001047870  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCATCCACTTCAGCTCTCGTCCACTGCTTACCCGGGCCGGGGCTCAGGTGCGCCTGAGCTCGG  
 GCCGCGCCAGCTTCGGCAGCAGGAGCCTCTATGGCCTGGGCTCATCAAGCCTCGTGTGGCCGTGCGCTC  
 CGTTATGGGGCCCGGTGGGCGCTGGCATCCGCGAGATCACCATCAATCAGAGCTTGTGGCGCCGCTG  
 AGTGTGGACATCGATCCCACCATCCAGCAGGTGCGCCAGGAGGAGCGCGAGCAGATCAAGACCCTCAACA  
 ACAAAATTCGCCTCCTTCATCGACAAGGTACGCTTCTGGAACAGCAGAACAAGATGCTGGAGACCAAGTG  
 GGCGCTGCTGCAGGAACAGAAGTCAGCCAAGAGCAGCCAGCTTCCCCGAATCTTTGAGGCTCAGATTGCT  
 GGGCTGAGGCAGCAGCTCGAGACTGCAGCTGGATGGGGCCGCTGGAGGTGGAAGTCCGGAACATGC  
 AGGATGTGGTGAAGATTTCAAGAATAAGTATGAAGAGGAGATCAACCGACGCACGGCTGCTGAGAATGA  
 GTTTGTGTGCTGAAGAAGGATGTGGATGCCGCCTACACGAACAAGGTGGAGTTGGAGGCCAAGGGCGAC  
 AGTCTGCAGGATGAGATCAACTTCTCAAGACCCTTACGAGACAGAGTTAGCAGAGCTGCAGTCCGAGA  
 TCTCAGACACATCTGTGGTGTGTCATGGACAACAGCCGCTCCCTGGACTTGGATGGTATCATTGCTGA  
 CGTCAAAGCCCAGTATGAGGAGATGGCCAACCACAGCCGGGCAGAGGCTGAAGCTTGGTACCAGACCAAG  
 TTTGAGACTCCAGGCCAGGCTGGGAAGCACGGGATGACCTCCGCAACACCCGGAATGAGATTGCGG  
 AGATGAACCGCTCTATCCAGAGGCTGCAGGCAGAGATTGACACCTTGAAGAACCAGCGTCCCAAGTTAGA  
 GTCCAGCATCGCAGAGGCTGAGGAACAAGGGGAGCTGGCAATCAAGGATGCTCATGCTAAGCAGGGGGAG  
 CTGGAGGCTGCCCTGCAGAAGGCCAAGCAGGATGTGGCCCGCAACTTCGAGAGTACCAGGAGCTCCTGA  
 ACACCAAGCTGGCGTGGACATTGAGATCGCCACCTACCGCAAGCTGTGGAGGGCGAGGAGCCGGTT  
 GTCTGGAGACGGAATGGGACCTGTGAATATCTCTGTTGTGAATTCAGTGGGGCAATGGTGGCAAGCTT  
 ATCTTCGAGGAACCATGGGAAGCAATGCTCTGAGCTTCAAGTGGGGACCCGGAGCCCTCAGGGCCTATT  
 CCATCAAGACCACATCTACTACCCGAGGGGCACCCACAAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001047870

**Insert Size:** 1374 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\\_001047870.1](#), [NP\\_001041335.1](#)  
RefSeq Size: 1374 bp  
RefSeq ORF: 1374 bp  
Locus ID: 300242  
UniProt ID: [Q6IG12](#)  
Cytogenetics: 7q36  
Gene Summary: Blocks interferon-dependent interphase and stimulates DNA synthesis in cells.  
[UniProtKB/Swiss-Prot Function]