

Product datasheet for **RN206123**

Krt27 (NM_001008824) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt27 (NM_001008824) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt27
Synonyms:	Ka40
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206123 representing NM_001008824
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGTTTCGTTTTCTCCGCATCCAGACGCCTGGGCTCTGTGAGGCTCTCCAGCCCGGAGCAGCCT
 TGGGGCTGGAATACCTGCGGAGTGCCAGGCATCGGAAGTGGCTTCTCCTGCGCCTTTGGGGCAGCTC
 ATTGGCAGGGGTCTCGGCATGGCGGTCTTCTGTGGGGCTTCACTGTGAATGAGCATGGCCTCCTT
 TCCGGCAATGAGAAGTAACCATGCAGAACCTCAATGACCGCCTGGCTTCTACCTGGAGAATGTACAAG
 CACTAGAGGAGGCAACGCTGACCTGGAGCAGAAGATCAAGGACTGGTATGAAAAATTTGGACCTGGGTC
 GTGCCGGGTCTTGATCATGACTACAGTAGATACTTCCCCATCATTGATGACCTCAGGACCCAGATAATC
 TCTGCAACTGCACAAAACGCCAACATCGTCTGCAAAATGACAACGCGAGACTGACGGCGGACGACTTCA
 GAATGAAGTACGAGAACGAAGTGGCGCTCCACCAGAGCGTCGATGCGGACATCAATGGCTTGGGAGGGT
 CCTGGATGAGCTGACCTGTGCAGAACCGACCTTGAGGTCCAGCTGGAACACTCAGTGAGGAGCTGGCT
 TATCTCAAGAAGAACCATGAGGAGGAAATGCAGGCTCTGCAAGTGGCGGCCGGAGGTAACGTGAATGTGG
 AGATGAACGCAGCCCCGGCGTGGACCTCACCGTCTTGCTGAACAACATGCGAGCCGAGTACGAGGCCCT
 GGCTGAGCAGAACCAGGGACGCCGAGGCTGGTTCCAAGAGAAGAGCGCTTCCCTGCAGCAGCAGATT
 TCAGACGATGCTGGAGCCACCACCTCAGCCAGGAACGAACACTCACTGAGATGAAACGGACTCTCAAACCC
 TGGAGATAGAGCTGCAGTCCCTCTTAGCCATGAAACACTCTCTGGAGTGCCTTACGGAGACCGAGGG
 CAACTACTGCACGAGCTGGCTCAGATCCAGGCTCAGATCAGCGCCCTGGAGGAGCAGCTGCACCAGGTG
 AGGACGGAGACCGAGGGCCAGAAGCTGGAATATGAGCAGCTGCTGAACGTCAAGGCCACCTGGAGAAGG
 AGATCGAGACCTACTGCCTCCTCATAGGAGGAGACGAGGGCTTGTGTTAAGTCAAAGGCCAAGGAGG
 ACCCGGAAATCAGACAAAGGATTCACCTAAAACCTGCCATTGTTAAAACCTGTCGTCGAAGAATTAGATCCC
 CGTGGCAAGTTCTGTCCTCCCGAGTCCACCCCTGGAAGAGAAATCCACCAAAGTCAACAACAAGAACG
 AGCAGAGGATCCCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001008824

Insert Size: 1350 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_001008824.1](#), [NP_001008824.1](#)
RefSeq Size: 1350 bp
RefSeq ORF: 1350 bp
Locus ID: 450229
UniProt ID: [Q6IFW8](#)
Cytogenetics: 10q31
Gene Summary: Essential for the proper assembly of type I and type II keratin protein complexes and formation of keratin intermediate filaments in the inner root sheath (irs).[UniProtKB/Swiss-Prot Function]