

Product datasheet for **RN204119**

Krt1 (NM_001008802) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt1 (NM_001008802) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt1
Synonyms:	Kb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204119 representing NM_001008802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTTTAGTGTAGTTCAGGTCCCTGTGCCGGAGCGGTGGTGGCGCGCGGCAGGAACCTTTAGCT
 CAGGTTCTGCAGGCCTAGTCAGCTTCCAACGCAGATCCACCAGCAGCTCCATGCGCCGCAGCGCGGAGG
 AGGAGGTGGTAGATTTTCGGGAGGAGGCTTCTGTGGGAGCTCTGGTGGTGGCTTTGGAAGTAAAAGTCTG
 GTCAACCTCGGAGGTGGCAGGAGCATCTCCATAAGTGTGGCTGGAGGTGGTAGCAGCTACGGTGGTGGCT
 TTGGGGCGCGCAGCTACGGTGGCGGTAGCTTTGGGGTGGCAGTTTTGGTGGAGGTGTCGGCGGTGGTTT
 TGGTGGTGGTGGTTTGGTGGTGGCGGCTTTGGTAGTGGAGGTGGTTTTGGTGGTGGTAGATTTGGGGT
 GGTTCGGGCCTGTCTGTCCCCCTGGTGGCATCCAGGAAGTGACCATCAACCAGAGCCTTCTGCAACCCC
 TCAATGTCGAGGTGGACCCTCAGATCCAAAAAGTGAAGTCTCAGGAGAGAGAACAGATCAAGTCGCTCAA
 TGACAAATTTGCCTCCTCATCGACAAGGTGCGCTTCTAGAGCAACAAAACCAGGTGCTACAGACCAAA
 TGGGAGCTGCTGCAGCAGGTAGACACCTCAACCCGGACCCAAAACCTAGATCCTTTCTTCGAGTCATACA
 TCAGCAACCTCAGGAGGCAAGTGGACTCACTGAAGAACGACCAATCACGGATGGATTCCGAACTGAAGAA
 CATGCAAGACCTGGTGAAGAGTACAGGACCAAGTACGAGGATGAAATCAACAAGAGAACCAACGCAGAG
 AATGAATTCGTGACCATCAAGAAGGATGTGGATTCGGCTTATATGAACAAAGCAGAGCTTCAGGCCAGGG
 TGGATAACCTCCAACAAGATATCGACTTCTTCTCCACACTCTACCAAATGGAATTGTCTCAGATGCAAAAC
 TCAAATCAGCGAAACCAAGTGTCTGTCCATGGACAACAACCCGCACTTTGGACCTGGACGGCATCATT
 GCAGAAGTCAAGGCCAGTATGATAGCATTGCCAGAGGAGCAAGGCCAAGCCGAGACCTTTTACCAGA
 GCAAGTATGAAGAGCTGCAGATCACTGCTGGTAAACACGGAGACAGCGTGAAAAATACCAAGATGGAGAT
 TTCCGAGCTGAACAGAGTGATCCAGAGACTTCGATCTGAAATCGATAGCGTCAAGAAGCAGATCTCCCAA
 ATGCAGCAGAATATCAGTGATGCAGAGCAGCGTGGTGAGAAAGCACTCAAAGATGCTCAGAACAAGCTGA
 ATGAGATAGAGGACGCTTTGACACAAGCCAAGGAGGAGCTCACCAGGTTGCTGCGTGACTACCAGGAGCT
 GATGAACACCAAGCTGGCCCTGGACATGGAGATCGCCACCTACAGGAACTTCTGGAAGGAGAGGAGATC
 AGGATGTCTGGAGAATGCACCCCAACGTGAGCGTGTCTGTGAGCACCAGCCACACTAGCATGAGCGGAA
 GCAGCAGCCGAGGTGGCGGCAGATACGGCTCCGGAGGCGCGCGGTGGCGGCAGCTACGGCGCGGCTC
 CAGAGGCGGCAGCTACGGAGGTGGTTCGGAGGCGGCAGCTACGGAGGTGGCAGCTCTGGAGGCGGCTCC
 GGAGGCGGCAGCTACGGCGCGGCAGCAGTGGGGCCACAGAGGTGGCTCTGGAGGGGGCGGTGGCAGCT
 CCGGAGGCAGCTATGGTGGTTCCTCTGGGGAGGCGGGGAGGATCCAGCTCCGGTGGCGCGGTTAAGTC
 CTCTGGCAGTTCTAGTGTGAAGTTTGTTCACCACTTACTCCCGAGGGACCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008802

Insert Size: 1878 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_001008802.2](#), [NP_001008802.2](#)

RefSeq Size: 2429 bp

RefSeq ORF: 1878 bp

Locus ID: 300250

UniProt ID: [Q6IMF3](#)

Cytogenetics: 7q36

Gene Summary: May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1). In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK (By similarity).[UniProtKB/Swiss-Prot Function]