

Product datasheet for **RN201106**

King1 (NM_001009628) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: King1 (NM_001009628) Rat Untagged Clone
Tag: Tag Free
Symbol: King1
Synonyms: kininogen; King111
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201106 representing NM_001009628
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCTAATTACTATCCTGCTCCTCTGCTCCAGGCTCCTGCCAAGTTTAGCGCAGGAAGAAGGTGCC
AGGAAATGGACTGCAATGATGAGACTGTATTTAGGCTGTGGATACTGCTCTGAAGAAATATAATGCTGA
GTTAGAAAGTGGCAACCAGTTTCTGTTGTACCGAGTACTGAGGGCACTAAGAAGGATGGCGCTGAAACA
TTGTATTCCTTCAAGTATCAAAATCAAGGAGGGCAACTGCTCTGTTAGAGTGGCCTCACCTGGCAGGACT
GTGACTTCAAGGACGCTGAGGAAGCTGCTACTGGCGAATGCACAACAACCTTTGGGGAAGAAAGAAAATAA
ATTCTCCGTAGCCACCCAGATCTGCAATATTACTCCAGGTAAGGGTCTAAGAAGACAGAGGAGGACCTC
TGTGTCGGGTGTTTCCAACCCATACCGATGGATAGCTCAGACCTGAAGCCTGTTCTGAAACACGCTGTGG
AGCATTTCACAACAACACGAAGCACACCCACCTTTGCTCTCACAGAAGTAAAGAGTGGCCACTCACA
GGTGGTGGCTGGCATGAATTATAAAATTATCTACTCCATTGTGCAACAAATTTGTTCAAAGGAGGATTTT
CCTTTCTCCGTGAAGACTGTGTACCCCTCCCTATGGCGATCATGGTGTAGTGTAGGGGTACATACCTACG
TGGATATTCATAACACAATTGCTGGCTTCTCACAGAGCTGTGACCTTTATCCAGGAGCGATTTGTTTTC
ACTACTTCCAAGAAATGCTTTGGCTGCCCAAGAACATACCTGTAGACAGCCCGAGCTCAAGGAGGCA
CTTGGTCAATTCAATTGCACAGCTTAATGCACAGCATAATCATCTTTTCTATTTCAAGATTGACACCGTGA
AAAAGGCAACATCACAGGTGGTTGCTGGAACAAAATATGTGATTGAGTTCATAGCCAGAGAAACCAATTG
TTCCAACAAACTAACACAGAAGTACAGCGGACTGTGAGACCAACACCTCGGTCAAAGCCTCAACTGC
AATGCTAACGTGTACATGAGACCTTTGGGAGAACAAGTCGTCGGACTGTGAGTCCAAGGCTAGACA
TGATGATTTCTAGGCCTCCAGGATTTTACCTTTCCGGCTGGTCAAGTACAAGAACTAAAGAAGGAAC
AACTAGGCTCCTAACTCATGTGAGTACAAGGCAGACTCTCAAAGGCAGGGCAGGCCAGCCAGCCCTGAC
CATCAGGCAGAAGCTTCAACCGTACACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001009628
Insert Size:	1293 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:	<ol style="list-style-type: none">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:	<u>NM_001009628.1</u> , <u>NP_001009628.1</u>
RefSeq Size:	1519 bp
RefSeq ORF:	1293 bp
Locus ID:	288001
UniProt ID:	<u>P08932</u>
Cytogenetics:	11q23
Gene Summary:	Kininogens are plasma glycoproteins with a number of functions: (1) as precursor of the active peptide bradykinin they effect smooth muscle contraction, induction of hypotension and increase of vascular permeability. (2) They play a role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII. (3) They are inhibitor of thiol proteases.[UniProtKB/Swiss-Prot Function]