

Product datasheet for **RR214984**

Klk10 (NM_001004100) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Klk10 (NM_001004100) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Klk10
 Synonyms: Klkj
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR214984 representing NM_001004100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGTCCCGTTCTTCACTCCCTACTGCCTCTGGCTCCTTGTCCTGGTGAAGCTACTGCTGCCGC
 TACTGATGATGCAACTCTGGGCGGCGCAGGCTCTGCTGCTCCCGGAAACACCACGCGCAGGACCTCGA
 GGCCTTCGGCACTCTGTGCCGAGTGTCTCTCAACCCTGGCAGGTCTCCCTCTTCCATAACCTCCAGTTC
 CAATGTGCGGGTGTCTCGTGGACCAGAACTGGGTGCTCACGGCCGCACATTGCTGGAGAAAATAAGCCAC
 TGAGGGCTCGAGTTGGAGATGACCACCTGCTGCTTTTCCAGAGCGAGCAACTGAGGTCCACGAATCCCC
 TGTTTTCCACCCAAGTACCAGCCTTGCTCAGGTCCCCTTCTGCCACTCCGCTCAGATGAACACGACCTC
 ATGATGCTAAAAGTACGAGTCTGTGGTGTGACGTCCAAAGTGCATCCCGTGCATTTGCCCTTCCAGT
 GTGCTCAGCCAAGGCAGGAGTGCCAGGTCTCAGGCTGGGGGACCACAGCCAACCGAAGAGTGAAATACAA
 CAGGAGCCTGAGCTGCTCCAGGGTAACTCTCTCAGCCAGAAGCAGTGTGAGACCTTCTACCCGGGTGTG
 ATCACCACAACATGATTTGTGCTGGGATGGACAGAGACCAAGATTCTTGCCAGAGTGACTCCGGTGGAC
 CCCTGGTGTGACAACCCCTGCATGGCATTCTTTCATGGAGCATTACCCATGCGGGGCTGTACCCA
 GTACCCAGCTGTCTACGCTAAGATCTGCAACTACACCAACTGGATTCTGAAGAGTCATCCGTTCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214984 representing NM_001004100
Red=Cloning site Green=Tags(s)

MRVPLLHLPTASGSLSLVKLLPLMMQLWAAQALLPGNTTREDLEAFGTLCPVSQPVQVSLFHNLQF
 QCAGVLVDQNWVLTAAHCWRNKPLRARVGDHLLLFQSEQLRSTNSPVFHPKYQPCSGPVLPLRSDHDL
 MMLKLSPPVVLTSKVHPVQLPFQCAQPRQECQVSGWGTANRRVKYNRSLSCSRVTLSSQKQCETFPYGV
 ITNNMICAGMDRDQDSCQSDSGGPLVCDNTLHGILSWSIYPCGAATQYPAVYAKICNYTNWIRRVIRSK

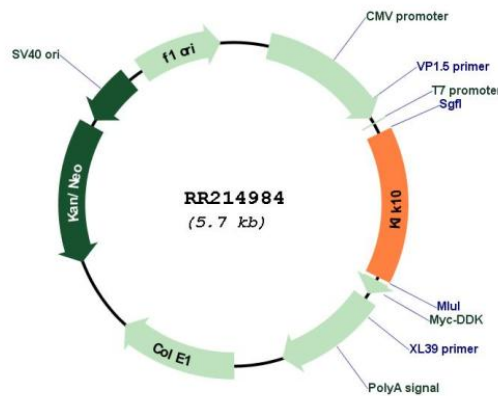
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004100
ORF Size: 837 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001004100.1 , NP_001004100.1
RefSeq Size:	840 bp
RefSeq ORF:	840 bp
Locus ID:	292850
Cytogenetics:	1q22
MW:	31.2 kDa