

Product datasheet for **RR214714**

Krt23 (NM_001008753) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krt23 (NM_001008753) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Krt23
Synonyms: Ka23; Krt1-23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214714 representing NM_001008753
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGA**ACTCCAGTCACAGCTTTAACCAGACCTACTCGGCCTCCGTCCACAGCCTCGGAAGCACCTGGGGGC**
AGCGTGGGAGCTGCCACAGGACCCGAGTGTCCATGGAGGTGCAGGGGTGTCCGCATCTCCCTTTCCTT
CACCACACCAGGCTGCCTGCCTCCGGAGGGTCTGTGGGCTCTGGAAGAAGCAGTCCCCTGCTAGGAGGA
AATGGTAAAGGCCACCATGCAGAACTCAATGATCGCCTGGCCAGCTACCTGGAGAAGGTAGGGCCCTGG
AGGAGGCCAACTCGAAGCTGGAAGTCGTATCCTTCAGTGGCAGTCAAGGAGAGAGAAACCCAGCACAAAAA
GGATTATCCCAATATGAAGAAAACATCAGCCACCTCCAGGAGCAGATAGTGGACGGAAAGATGGCCAAC
GCCACATTGTCGTGCTCATTGACAACGCGAGGATGGCAGTGGATGACTTCAACCTCAGGTTTAAAAATG
AACACTCGTTAAAGAAAGACTTGGAGATTGAAGTTGAGGGCTCAGAAAGACCTTGGATGATCTGACCAT
CGTCACGACAGACCTGGAACAGGAGGTGGAGGGAATGAGGAAAGAGCTCATTCTCATGAAGAAGCGACAT
GAGCAGGAAATGGAGGAGAATCACTGGCCAAGCGACTTCAAGGTCAACGTGAAGGTGGACACGACTCCAG
GGGAAGATCTGATTAAGGTCTTGAAGATATGAGGCAGGAATACGAGTTAATAATAAAGAAAGAAACATCA
AGAGTTGGACACCTGGTTTAGAGAGCAGTCAGCCTCCATGGCTCAAGGGGTGGCCAGTCCAGTGCCTGTA
CAGGGCAGCCAAAGTGATATCCATGAGCTGAGGCGAACATTCCAGGCCCTAGAGATTGACCTGCAGGCC
AGCACAACAGGAAATCCGCTTTGGAAAACATGCTGACAGAGACCCAGGCTCGATACTCCTGCCGTCTCCA
GGACATGCAGCAGATAATCTCCCACTACGAGGAGGAGCTGATACAGCTCCGCCAAGACCTGGAGCGTCAG
AACACGAAACACAAGGTGCTGCTGGCATAAAAAACCCACCTGGAGAAGGAAATCGCCACCTACCGCCGGC
TCCTGGAGGGAGACACTGAAGGGACGAGGGATGAACCTGAGTCAAGACTGAAAGGATCCCAGCTTCAAT
GATCAAGGCCATCACTCAAGAGAGTGTCAATGGAAGAATAGTTCTCTCTCAAGTGAATGATCCAAAAG
CATTTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR214714 representing NM_001008753
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MNSSHSFNQTYASVHSLGSTWQQRGSCHRTPSVHGGAGGVRIISLFTTPGCLPPGGSWGSGRSSPLLGG
 NGKATMQNLNDRLASYLEKVRALLEEANSKLESRILOHQHREPSTKKDYSQYEENISHLQEIVDGKMAN
 AHIVVLIDNARMAVDDFNLRFENEHSLKKDLIEVEGLRKTLDLDTIVTDLQEVEGMRKELILMKKRH
 EQEMEENHWPSPDFKVNKVDTPGEDLIKVLEDMRQEYELIIKKKHQELDTWFREQSASMAQGVASPVV
 QGSQSDIHELRRTFQALEIDLQAQHNRKSALENMLTETQARYSCRLODMQQIISHYEEELIQLRQDLERQ
 NNEHKVLLGIKTHLEKEIATYRRLLEGDTEGTRDEPESRLKGSPASMIKAITQESVNGRIVLSQVNEIQK
 HL

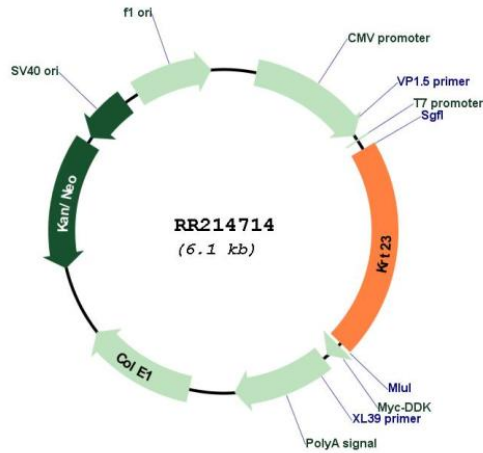
TRTRP**LEQKLISEEDLA**NDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008753

ORF Size:	1266 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_001008753.1 , NP_001008753.1
RefSeq Size:	1269 bp
RefSeq ORF:	1269 bp
Locus ID:	287678
Cytogenetics:	10q31
MW:	48.1 kDa