

Product datasheet for **RR206338**

Krt8 (NM_199370) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt8 (NM_199370) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt8
Synonyms:	CYKER; Krt2-8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206338 representing NM_199370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGT**CAGGGT**GACTCAGAAATCTACAAGATGTCCACCTCCGGTCCCGGGCCTT**CAGCAGCCGT**
 CGTTCAGGAGTGGACCCGGT**GCCCGCATCAGCTCTTCCAGCTTTCCCGGTGGG**CAGCAGCAGCAGCAG
 CTTCCGCGGAAGCCTGGGCGGCTTTGGCGGGGCTGGTGT**CGGGGCATCACGGCGGT**CACGGTGAACCA**G**
 AGCCTGTGAACCCCTTGAAGCTGGAGGTGGACCCCAACATCCAGGCTGTGCGCACTCAGGAGAAAGAGC
 AGATCAAGACCCTGAACAACAAGTTCGCCTCTTTCATTGACAAGGTACGCTTCTGGAGCAGCAGAA**CAA**
 GATGCTGGAGACCAAATGGAGCTTGCTGCAACAGCAGAAGACATCCAGGAGCAACATGGACAACATGTTT
 GAGAGTTACATCAACAACCTCCGTCGGCAGCTGGAAGCCCTGGGCCAGGAGAAGCTGAAGCTGGAGGTGG
 AGCTTGGCAACATGCAGGGCCTGGTGGAGGACTCAAGAATAAGTATGAGGATGAGATCAACAAGCGTAC
 AGAGATGGAGAATGAGTTTGTCTCATCAAGAAGGATGTGGATGAAGCCTACATGAACAAGTGGAGCTT
 GAGTCCCCTGGAAGGACTGACCGACGAGATCAACTTCTCCGGCAGATCCATGAAGAGGAGATCCGTG
 AGCTGCAGTCTCAGATCTCAGACACGTCTGTGGTGTGTCCATGGACAACAGCCGCTCCCTGGACATGGA
 CAGCATCATTGCTGAAGTTCGTGCCAGTATGAGGAGATCGCCAACCGCAGCCGAGCTGAGGCCGAAAC**C**
 ATGTACCAGATTAAGTATGAGGAATTGCAGACCCTGGCTGGGAAGCACGGGGATGATCTACGTCGCTCGA
 AGACGGAGATCTCTGAGATGAACCGTAACATCAGCCGCTGCAGGCGGAGATTGACGCCCTCAAAGGCCA
 GAGGGCAACCC**TGGAGGCGCCATTGCTGATGCAGAGCAGCGTGGGAACTGGCCGTGAAGGATGCCAAT**
 GCCAAGCTGGAGGATCTGAAGAATGCCCTGCAGAAGCCAAGCAGGACATGGCCCGCAGCTGCGCGAGT
 ACCAGGAGCTGATGAACGTCAAGCTGGCGCTTGACATCGAGATCGCCACCTACCGCAAGCTGCTGGAGGG
 CGAGGAGAGCAGGCTGGAGTCTGGGATGCAGAACATGAGCATCCACACGAAGACCACAGTGGCTACGCA
 GGAGGACTGAGTTCATCTACGGGGGACTCACTAGCCCCGGCTT**CAGCTATGGAATGAGCTCTTCCAGC**
 CCGGCTTCGGTTCTGTTGGGGGATCCAGCACTTATAGCCGCACCAAGGCTGTGGTCGTGAAGAAGATTGA
 AACCCGAGATGGGAAACTGGTGTCTGAGTCTTCTGACATCATGTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206338 representing NM_199370
 Red=Cloning site Green=Tags(s)

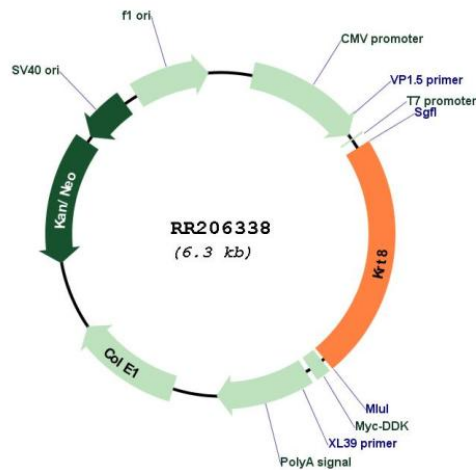
MSVRVTQKSYKMSTSGPRAFSSRSFTSGPGARISSSSFSRVGSSSSFRGSLGGF**GGAGVGGITAVTVNQ**
 SLLNPLKLEVPNIQAVRTQEKEQIKTLNNKFASFIDKVR**FLEQQNKMLETKWSLLQQQKTSRSNMDNMF**
 ESYINLRRQLEALGQEK**LKLEVELGNMQGLVEDFKNKYEDEINKRTEMENEFVL**IKKD**VDEAYMNKVEL**
 ESRLEGLTDEINFLRQIHEEEI**RELQSQISDTSVVL**SMDNSRSLDMSIIAEVRAQYEEIANRSRAE**AET**
 MYQIKYEELQTLAGKHGDDLRRSKTEISEMNRNISR**LQAEIDALKGQRATLEAAIADAEQRGELAVK**DAN
 AKLEDLKNALQAKQDMARQLREYQELMN**VKLALDIEIATYRKLL**EGEESR**LES**GMQ**NMSIHTKTT**SGYA
 GGLSSSYGGLTSPGF**SYGMS**SP**QPGF**GS**VGGS**STYSR**TKAVVV**KKI**ETRD**GKLVSESSD**IMSK**

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_199370

ORF Size:

1449 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:

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_199370.1](#), [NP_955402.1](#)

RefSeq Size: 1695 bp

RefSeq ORF: 1452 bp

Locus ID: 25626

UniProt ID: [Q10758](#)

Cytogenetics: 7q36

MW: 54 kDa

Gene Summary: an intermediate filament protein; may play a role in prostrate cells [RGD, Feb 2006]