

Product datasheet for **RR207565**

Krt4 (NM_001008806) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt4 (NM_001008806) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt4
Synonyms:	Kb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207565 representing NM_001008806
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCTCCAGACAGTCAAGCGTCCGCGGAGTCTCCCGGGCTTTAGCAGTGGCTCAGCTGTTGCCGGTG
 GAGTCAAGCGGGTGGCCCTCAGCTCAGCCTCCATGTCTGGGGTGCCGGGCGCTGCTCCTCTGGGGTTT
 CGGCAGCAGGAGTCTTTACAACCTCGGGGGTCAACAAGATATCTCCATGAGCGTGGCTGGTCTGCCAA
 GGCGGTGGCTACGGCGGTGCCGGAGGCTTCGGTGTGGAGGATACGGTGTGGGTTTGGTCCGGTGGTT
 TTGGCGGTGGCTTTGGAGGCTCCTTCAACGGCCGAGGCGGTCTGGTTCCTGTCTGTCTGTGGAGG
 TATTCAAGAGTCAACATCAACCAGAGCCTGTGACACCTCTTCAGGTGGAAATTGACCCAGAGATCCAG
 AAAATCCGCACAGCAGAGCGGAGCAGATCAAGACCTCAACAACAATTTGCTTCTTCATCGACAAGG
 TCGGTTTTAGAGCAACAGAACAAAGTCTGGAGACCAATGGAACCTCTCCAGCAGCAGACAACCAC
 CACATCCCCAGAAACCTGGATCCTTTCTTTGAGACGTACATCAACGCCTTAAGGAAGAACCTGGACACT
 TTGAGCAATGACAAAGGTCGCCTACAGTCAGAGCTGAAGCTCATGCAGGACAGTGTGGAGGACTTCAAGA
 CCAAGTATGAGGAAGAGATCAACAAGCGCACAGCTGCAGAGAACGACTTTGTGGTCTCAAGAAAGATGT
 GGATGCTGCTTACATGATCAAGGTGGAGTTAGAGGCCAAAATGGAAAGCCTTAAGGATGAGATCACTTC
 ATGAGAGTCTCTATGAAGCGGAGCTGTCCAGATGCAGACACATGTCTCAGACACATCTGTGGTGTGT
 CCATGGATAATAACCGGAACCTGGACCTGGACGGCATCATCGTGAGGTCCGAGCCAGTATGAGGAGAT
 TGCTCGGAAGAGCAAGGCTGAGGTTGAGTCTGGTACCAGATCAAGGTCCAGCAGCTCCAGATGTGACGT
 GACCAGCACGGAGATAGCCTGAAGAGCACCAAGAATGAGATCTCAGAACTCAACAGGATGATCCAGAGGA
 TACGGTCCGAGATTGAGAACATCAAGAAGCAGACTCTGCAGGCATCTGTGGCTGATGCAGAGCAACGTGG
 AGAGTGGCCCTCAAAGATGCCTACACCAAACCGCAGACCTGGAGACTGCACTGCAGAAGGCCAAGGAG
 GACCTGGCCCGGCTGATGAGGGACTACAGGAGCTCATGAATGTCAAGCTGGCCCTGGATGTGGAGATCG
 CCACCTACCGCAAGCTACTGGAGGGCGAGGAGTGCAGGATGTCTGGAGAATGCAAGAGTGTGTGAGCAT
 CTCGCTAGTTGGTGGCAGTGCCAGCATTGGTGGCAGCGGTGGCATCGGCCTTGGCCTGGGTAGCGTTTT
 GGCTCTGGTTCTGTTCTGGAAGTGGCTTCGGATTTGGTGGCGGTATTTATGGCAGCTCTGGTACCAAGA
 TCACCTCTCCGCCACCATACCAAGAGATCCCCACGAACAAGACAGGATCTGATGGCCTTCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207565 representing NM_001008806
 Red=Cloning site Green=Tags(s)

MISRQSSVRGVSRRGSSGSVAVAGGVKRVAFSSASMSGGAGRCSSGGFGSRSLYNLGGHKSISMSVAGSCQ
 GGGYGGAGGFVGGYGAGFGAGGFGGFGGFNGRGGPGFPVCPAGGIQEVITINQSLLTPLQVEIDPEIQ
 KIRTAEREQIKTLNKNFASFIDKVRFLQNKVLETKWNLLQQTTTTSPRNLDPPFFETYINALRKNLDT
 LSNDKGRLLQSELKLMQDSVEDFKTYEEEEINKRTAAENDFVVLKKDVAAYMIKVELEAKMESLKDEINF
 MRVLYEAEELSQMTHVSDTSVVLSDNNRNLDLGIIAEVRAQYEEIARKSKAEVESWYQIKVQQLQMSA
 DQHGDSLKSTKNEISELNRMIRIRSEIENIKKQTLQASVADAEQRGELALKDAYTKRADLETALQKAKE
 DLARLMRDYQELMNVKLALDVEIATYRKLLEGEECRMSGECKSAVSI SVVGGSSASIGGGGIGLGLGSGF
 GSGSCSGSGFGGGIYGSSGKITSSATITKRSRPRTRQDPDGLQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

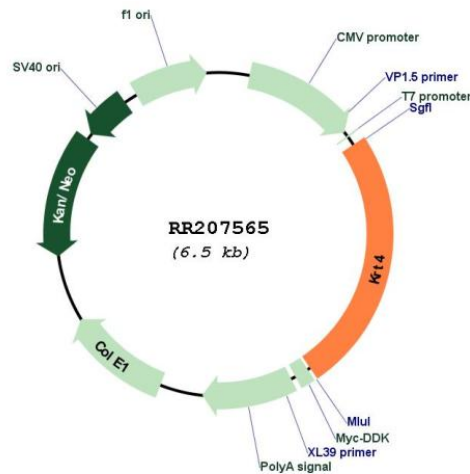
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001008806
ORF Size:	1608 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_001008806.1 , NP_001008806.1
RefSeq Size:	1611 bp
RefSeq ORF:	1611 bp
Locus ID:	315323
UniProt ID:	Q6IG00
Cytogenetics:	7q36
MW:	57.7 kDa