

Product datasheet for **RR209730**

Kera (NM_001108087) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kera (NM_001108087) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kera
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209730 representing NM_001108087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAACCCCACTGTTTGACTCTGGGTGTTACTCATAGTAGACACTGTGTGGACACAGAGTGTGA
 GGCAGGCCTATGAAGTACAGGACCCAGAGGAGTGGGATGTCCATGATGACTTCTACTGTCCCAGAGAATG
 CTTCTGTCCACCGAGTTCCCTACTGCCTTATACTGTGAGAACAGAGGTCTCACAGAAATCCCTGCTATC
 CCTTCAAGGATCCGGTACCTGTACCTGGAAAACAACCTGATTGAAACAATACCAGAGAAGCCATTTGAGA
 ATGCCACCCAGCTGAGATGGATCAATTTAAACAAGAACAATAACCAACTACGGGATTGAGAAGGGGGC
 CCTAAGTCAGCTAAAGAAGCTTCTTTCTGTTTCTAGAAGACAATGAGCTAGAGGAGGTACCTTCCCCA
 CTGCCAAGAAGTTTGAACAATTGCAATTAGCCAGAAACAAGTATCCAGCATCCCTCAGGGGACCTTCA
 GTAATCTGGAAAACCTGACACTTCTTGATCTGCAACATAACAACTGTTAGACAATGCCTTTCAAAGAGA
 TACCTTCAAGGGCTTAAGAATCTCATGCAGCTAAATATGGCCAAGAATGCCCTAAGGAACATGCCCCCA
 AGATTACCAGCCAACACCATGCAACTTTTTCTGGACAACAACCTCATTGAAGGGATACCTGAGAATTATT
 TCAACGTGATTCTAAAGTGGCCTTCTGAGGCTCAACCACAACAAGCTATCAGATGCAGGTCTCCCGTC
 GAGGGGTTTTGATGTGTCTCATTCTAGACCTCCAAGTCTCAACAACAGCTCACAAACTTTCCCCGA
 ATCAATGTAACCTACAGCATCTACACCTGGATCACAACAAAATTAATAATGTGAACATGTCGGTAAAT
 GTCCCAGCACACTGCGCGCAGGACAGGATGCCTTCTTACGGACCTCAACTGAGTTACCTGCGTCTGGA
 TGGGAATGAAATCAAGCCACCAATCCCGATGGATTTAGTGGCATGCTTCAAACCTTCTCAGGCTTTCATC
 ATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209730 representing NM_001108087
Red=Cloning site Green=Tags(s)

MATPTCLILWLLIVDTVWTQSVRQAYEVQDPEEWDVHDDFYCPRECFPPSFPTALYCENRGLTEIPAI
 PSRIRYLYLENNLIETIPEKPFENATQLRWINLNKNKITNYGIEKALSQKLLFLFLEDNELEEVPSP
 LPRSLEQLQLARNKVSSIQGTFSNLENLTLDDLQHNKLLDNAFQRDTFKGLKNLMQLNMAKNALRNMP
 RLPANTMQLFLDNNISIEGIPENYFNVIPKVAFLRLNHNKLS DAGLP SRGFDVSSILDQLSHNQLTNFPR
 INANLQHLHLDHNKIKNVNMSVICPSTLRAGQDAFLHGPQLSYLRLDGNEIKPPIPMDLVACFKLLQAFI
 I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

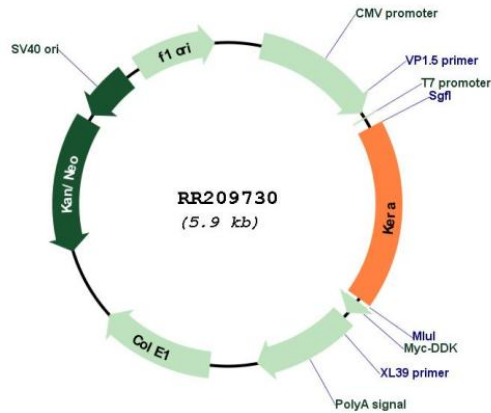
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001108087

ORF Size:	1053 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_001108087.1 , NP_001101557.1
RefSeq Size:	1972 bp
RefSeq ORF:	1056 bp
Locus ID:	314771
Cytogenetics:	7q13
MW:	40.2 kDa