

Product datasheet for **RR204899**

KIhI9 (NM_001107944) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhI9 (NM_001107944) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIhI9
Synonyms:	RGD1304814
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204899 representing NM_001107944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGTGTCGCTCGGTAACGGCGAGATGGCGTCTCTGCCACCTGCAGCCTTGAAGGCTGGAAC
 CGCGTTTTTTACCAGCAATACGCACAGTTCTGTTGTATTGCAAGGCTTTGATCAGCTCAGAATAGAGGG
 ACTGCTTTGTGACGTGACTCTGGTACCAGGCGATGGAGAGGAAATCTCCAGTTCATAGAGCCATGATG
 GCGTCTGCCAGTGATTATTTCAAGGCCATGTTACAGGAGGAATGAAGGAGAAAGATCTAATGTGCATTA
 AGCTTCATGGGGTGAACAAAGTTGGTCTGAAGAAAATCATTGATTTTATTATACTGAAAACTCTCTCT
 CAATATGGACAATCTTCAGGATACTCTGAGGCTGCCAGCTTTCTACAGATCTTGCCGGTTTTGGATTTT
 TGTAAGTATTTCTATATCTGGTGTCTCCTTAGATAACTGTGTTGAGGTTGGACGGATTGCTAACACCT
 ACAATCTTATAGAAGTGATAAAACGTAATAATTTTCATCCTGAAGAACTTTCTCGCTTGTGAGTAC
 CGGGGAGTTTCTAAAACCTCCCTTTGAACGGCTTGCCTTTGTGCTTTCCAGCAATAGTCTCAAGCACTGT
 TCTGAACCTTGAACCTTCAAGGCAGCCTGCCGCTGGTTGAGGCTGGAAGACCCTCGGATGGACTATGCTG
 CAAAATTAATGAAGAATATTCGCTTCCACTGATGACGCCACAGGATCTCATCAACTATGTGCAGACAGT
 AGATTTTATGAGAAGTGAACAATCTGTGTGAATTTACTTTTGAAGCAAGCAATTACCAATATGATGCCA
 TATATGCAGCCAGTGTGACAGTCAGACAGAAGTCCATTCGATCAGATTTACTCATTGGTTACGTTAG
 GAGGAGTTTTGAGGCAACAGCTGGTTGTAAGTAAAGAGTTACGGATGTACGACGAAAGGGCGCAGGAGTG
 GAAATCGTTAGCCCTATGGATGCTCCTCGATACCAGCACGGCATTGCTGTTATTGGAACTTCTTTTAT
 GTAGTTGGTGGTCAAGTAATTATGACACAAAAGGAAAACTGCTGTTGATACAGTCTTCAGATTTGATC
 CTCGTTATAATAAGTGGATGCAGGTGGCATCATTAAACGAAAAGCGCACATTTTTTTCACCTGAGTGCCT
 CAAAGGACATTTATATGCAGTTGGTGGACGAGTGCAGCTGGTGAACCTGGCCACAGTAGAATGTTACAAC
 CCAAGAATGAATGAATGGAGCTATGTTGCAAAAATGAGTGAACCCCACTATGGCCATGCTGGAACAGTAT
 ATGGGGTTTAAATGTATATATCCGGAGGAATTACCCATGACACTTCCAAAATGAGCTCATGTGTTTTGA
 CCCAGATACAGACAAATGGACACAGAAGGCTCCTATGACTACAGTCCGAGGTCTGCATTGCATGTGTACA
 GTTGGAGACAAGCTGTATGTCATTGGTGGCAACCATTTCCAGGAAACAAGTATTATGATGATGCTCTAA
 GCTGCGAATACTATTCGCAACTCTTGACCAGTGGACCAATTGCTGCTATGCTAAGAGGTCAGAGTGA
 TGTTGGAGTTGCGGTCTTCGAAAACAAAATCTACGTTGTTGGTGGATATCTTGGAAATACCGCTGCATG
 GTAGAAAATGTCCAGAAATATGACCCAGAAAAGATGAGTGGCATAAAGTTTTTGTATCTCCAGAGTCAC
 TTGGTGGCATTCCGGCTTGCACCTCTCACAGTTTTTCCACCTGAAGAAAACCTGGGTACCTTCTAGAGA
 ATCACCTCTTTCAGCACCTTCAGATCATTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204899 representing NM_001107944
 Red=Cloning site Green=Tags(s)

MKVS L G N G E M G V S A H L Q P C K A G T T R F F T S N T H S S V V L Q G F D Q L R I E G L L C D V T L V P G D G E E I F P V H R A M M
 A S A S D Y F K A M F T G G M K E K D L M C I K L H G V N K V G L K K I I D F I Y T A K L S L N M D N L Q D T L E A A S F L Q I L P V L D F
 C K V F L I S G V S L D N C V E V G R I A N T Y N L I E V D K Y V N N F I L K N F P A L L S T G E F L K L P F E R L A F V L S S N S L K H C
 S E L E L F K A A C R W L R L E D P R M D Y A A K L M K N I R F P L M T P Q D L I N Y V Q T V D F M R T D N T C V N L L L E A S N Y Q M M P
 Y M Q P V M Q S D R T A I R S D S T H L V T L G G V L R Q Q L V V S K E L R M Y D E R A Q E W K S L A P M D A P R Y Q H G I A V I G N F L Y
 V V G G Q S N Y D T K G K T A V D T V F R F D P R Y N K W M Q V A S L N E K R T F F H L S A L K G H L Y A V G G R S A A G E L A T V E C Y N
 P R M N E W S Y V A K M S E P H Y G H A G T Y Y G G L M Y I S G G I T H D T F Q N E L M C F D P D T D K W T Q K A P M T T V R G L H C M C T
 V G D K L Y V I G G N H F R G T S D Y D D V L S C E Y Y S P T L D Q W T P I A A M L R G Q S D V G V A V F E N K I Y V V G G Y S W N N R C M
 V E I V Q K Y D P E K D E W H K V F D L P E S L G G I R A C T L T V F P P E E N P G S P S R E S P L S A P S D H S

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107944

ORF Size: 1851 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_001107944.1](#), [NP_001101414.1](#)

RefSeq Size: 4185 bp

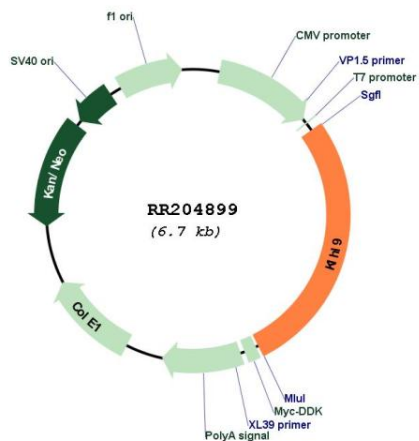
RefSeq ORF: 1854 bp

Locus ID: 313348

Cytogenetics: 5q32

MW: 69.4 kDa

Product images:



Circular map for RR204899