

Product datasheet for **RR201336**

KIhI26 (NM_001106075) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhI26 (NM_001106075) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIhI26
Synonyms:	RGD1312034
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201336 representing NM_001106075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGTCCGGCGGACAGCGGCTCTGGCCAGAGCCCCAGCGCCCGAGCAGCTTGGCTGACAGGA
 ATGGGGCCCTCAAGTGCACCTTCTCTGCGGCTGGCCATAGCACTGGCCTCCTGCAGGGCCTGGCTGCCCT
 CCGTGCACAGGGCCAGCTGCTCGATGTGGTCTCACTGTCAACAGTGAAGCCTTCCATGCACACAAGGTG
 GTCTTGGCGGCTGCAGTACTACTTTAGGGCCATGTTCACTGGCGGCATGCGTGAGGCCAGCCAGGCCG
 TCATCCAGCTGCAGGGTGTGTCTGCACGTGGCCTGCGTCACATCATCGATTTGCGCTACAGTGTGAGGT
 AACACTGGACCTAGACTGTGTGCAGGATGTGCTGGGTGCTGCCGTGTTTCTGCAGATGCTGCCGGTGGT
 GAGCTGTGCGAGGACTTCTAAAAGCTGCCATGAGCGTAGAGACGTGCCTGCACATTGGCCAGATGGCTA
 CCACCTTCAGCCTGACATCACTTCGTGAGTCAGTAGATGCCTTACATTCGCCACTTTCTGCAGATAGC
 AGCAGAGGAGGACTTTCTGCGCCTGCCACTCGAGCGCCTTGCTCTTTTCTGCAGAGCAACCGGCTACAG
 AGTTGTGCAGAGATTGACCTGTTCCGTGCTGCTGTGCGCTGGCTGCAGCAGCATCCGGCCCCCGTGGCC
 GCGCCAGCCTCGTGCTACGCCATGTGCGCTTCCCGCTCATGCAGCCTGCTGAGCTGGTGGACAGTGTGCA
 GACACTCGACGTGCTGGACGATGCCCTGTGTGCGCAGTACCTGCTGGAGGCCTTACAGTACCACGTG
 CTGCCCTGCCCGCAGCATGACATGCAGTCTCCACGCACAGCTGTGCGCTCCGATGTGGCGTCCCTGGTGG
 CCTTCGGAGGCACACCGTATACCGACAGTGACCGAGCTGTGAGCAGCAAGGTGTTCCAGTTGCTGAGCC
 TGGGGCCCCCACTTCCGCGAGCTCACGGAGATGGAACGGGCTGCAGCCACGCGGGCGTGGCTGTGCTG
 GATAACTTCGTGTACGTGGTGGCGGCCAGCACCTGCAGCACCGCAGTGGCGAGGGCGCCGTGACGCCT
 GCTACCGCTATGATCCACAGCGCAATCGCTGGCTGCGGCTGCGGGCACTGCGTGAGAGCCCGGTACAGTT
 CCAGTCACTGCAGTGGGTGGGCTGCTGTATGCCACTGGTGGCCCAATCGTGCGGGCAGCCTGGGCTCT
 GTCGAGGCTACTGCCACGCGCGACAGCTGGGACTTTGCCTGCCACTCAAGCGCCGACCTGGGGCC
 ACGCGGGGCTGCGGCTGCTGGTGCCTCTACATCTCGGGTGGCTATGGCGTCTCAGCGGAGGACAAGAA
 GGCAGTGCAGTGTATGATCCAGCAGCCGACCGATGGGAACCCAGGGCGCCCATGCGTGAGCCCCGCGTG
 CTGCACGCTATGTTGGGCGTGTGGCCGATCTATGCCCTAGGTGGCCGATGGACCAGTGGACCCATGCG
 GCTTTGATGTGTTGGCTGTGGAGTACTACGTGCCAGATGCTGACCAGTGGACCAGTGTGACCCCATGCG
 TGCTGGTCACTCAGAAGCTGGCTGCTGCCTGCTGGAGAGGAAGATCTACATTGTGGGTGGCTACAAGTGG
 AGGCTGAACAATGTCACAGGCATTGTGCAGGTGTACAACACTGAGACGGATGAGTGGGAGAGAGACTGCG
 ACTTCCCCGAGTCTTTGCAGGCATTGCCTGTGCTGCTGCTGCTGCTGCCCGCTCAGGTCATGGGAGG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201336 representing NM_001106075
 Red=Cloning site Green=Tags(s)

MAESGSSSGSQSPERPSSLADRNGALKCTFSAAGHSTGLLQGLAALRAQGQLLDVVLTVNSEAFHAHKV
 VLAACSDYFRAMFTGGMREASQAVIQLQGV SARGLRHIIDFAYS AEVTLDLDCVQDVLGAAVFLQMLPVV
 ELCEDFLKAAMSVETCLHIGQMATTFSLSLRESVDAFTFRHFLQIAAEEDFLRLPLERLVFFLQSNRLQ
 SCAEIDLFRAAVRWLQHDPARRARASLVRHVRFPLMQPAELVDSVQTLDVMLDDALCRQYLLEAFSYHV
 LPCRQHMQSPRTAVRSDVASLVAFGGTPYTDSDRAVSSKVFQLPEPGARHFRELTEMELGCSHAGVAVL
 DNFVYVAGGQHLQHRSGEGAVDACRYRDPQRNRWLRALRESRVQFQLTALGGLLYATGGRNRAGSLAS
 VERYCPRRDSWDFACPLKRRTWGHAGAAAAGRLYISGGYGVSAEDKKALQCYDPAADRWEPRAPMREPRV
 LHAMLGAAGRIYALGGRMDHVDRCFDVLAVEYYVPDADQWTSVTPMRAGQSEAGCCLLERKIYIVGGYNW
 RLNNVTGIVQVYNTETDEWERDLHFPEFAGIACA AVLLPRSGHGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

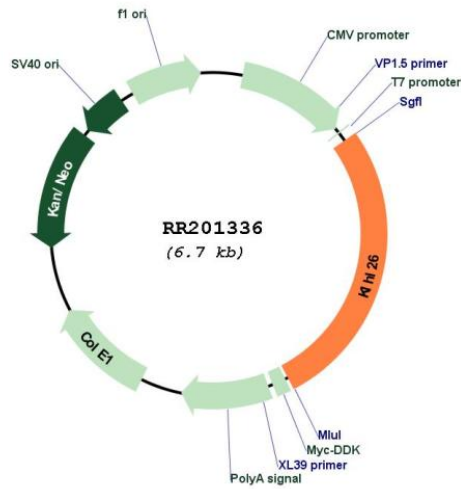
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106075

ORF Size: 1818 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_001106075.1 , NP_001099545.1
RefSeq Size:	3820 bp
RefSeq ORF:	1821 bp
Locus ID:	290657
Cytogenetics:	16p14
MW:	67 kDa