

## Product datasheet for RR217443

### Kif11 (NM\_001169112) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kif11 (NM\_001169112) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kif11  
**Synonyms:** Kns1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217443 representing NM\_001169112  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGTCCCAGCCGAGTTCTTCTCGAAGAAGAAAGAGGAAAAGGGCAAGAACATTCAGGTGGTGGTGA  
 GATGCAGACCATTAATTTGGCAGAGCGGAAAGCTAACGCCACTCTGTAGTAGAATGTGATCACGCACG  
 GAAGGAAGTCAGGTACGAACTGCAGGGCTGACTGACAAGACCTCAAGGAAAACATACACGTTTGACATG  
 GTGTTTGGAGCATCTACAAAACAAATTGATGTTTACCGAAGTGTGTTTGTCCAATTCTAGATGAAGTTA  
 TTATGGGCTATAATTGTACCATCTTCGCATATGGCCAGACTGGCACTGGAAAACTTTTACAATGGAAGG  
 TGAAAGGTCACCTAATGAAGTATATACCTGGGAGGAGGATCCTCTGGCTGGTATAATTCCACGACTCTT  
 CATCAGATTTTTGAGAACTTACTGATAATGGCACTGAGTTTTTCAGTGAAAGTATCCCTATTGAAATCT  
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 TACCAAATCTTAGAGAAGGGGCGAGCCAAAAGGACAACGCAGCAACCTTGATGAATGCTTACTCCAGTC  
 GTTCACACTCAGTTTTTCTGTACGATACACATGAAAGAAACGACAATTGATGGAGAAGAGCTTGTTAA  
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 AAGCTTCATGAAACGGCCAGCAAGTTGCTTAACACAGTTAAAGAAACCACCAGGGACGTATCTGGTCTCG



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ATTCTAAACTGGACCGGAAGAGCAATCGATGCGCACAAACGCTGAGGCTCAGGAGAGCTTTGGCAGGAG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217443 representing NM\_001169112

Red=Cloning site Green=Tags(s)

MASQPSSSSKKKEEKGNKIQVVVRCRPFNLAERKANAHSVVECDHARKEVSVRTAGLTDKTSRKTYTFDM  
 VFGASTKQIDVYRSVVCPIILDEVIMGYNCTIFAYGQTGTGKFTMEGERSPNEVYTWEEDPLAGIIPRTL  
 HQIFEKLDNNGTEFSVKVSLLEIYNEELFDLLSPSSDVSERLQMFDDPRNKRGVIIKGLLEEITVHNKDEV  
 YQILEKGAARKRTAATLMNAYSSRSHSVSVTIHMKETTIDGEEELVKIGKLNLDLAGSENIGRSGAVDK  
 RAREAGNINQSLTLGRVITALVERTPHIPYRESKLRILQDSLGRTRTSIIATISPASLNLEETLSTL  
 EYAHRAKNIMNKPEVNQKLTKKALIKKEYTEEIERLKRDLAAAREKNGVYISEESFRAMNGKVTVQEEQIA  
 ELAEKIGVLEEELSKAAELFTDSEKELNQCKSDLQTKTQELETTQKHLQETKLQLVKEEYVSSALERTEK  
 KLHETASKLLNTVKETTRDVSGLHSLDRKRAIDAHNAEAQESFGRSLSSLFNNMEELIRDGSEKQKAML  
 DVHKALFGNLMSSSVSALDITSTALESLMSIPENVLARVSQISDMILEEQSLAAQSKTVLQGSIDELVT  
 NLFDSLKTIIPGVVSVILNINRQLQHIFRASVTMAEKVEDQKREIDSFLSILCNLHELRENTVSSLVES  
 QKLCGNLTEDLKTIKETHSQELCQLSSSWAERFCALEKKYANIQKPLNSIQENTERKSTDIINKTTVHSK  
 KILADSDGLLQELRHFNEEGTQLVEDSVGHCGSSLNLETVSQEIQRCGTLNNTSVHFSQWASCLSKR  
 KEELQNLMEFVNGCCEASSEITEKIRGHRAAIESQHSSFFVQITSDEEKFKAGSLELDKTIKTLKLN  
 CFLQDQLDIPTGMTPERKNLYPSTLVRTEPREQLLDQLQKQPKPLMMLNCSESSKETSDMEEDRE  
 VLEQSTEELVSQEPVHTSADCSSSGVPPFFQHKKPHGKDKENRGLNPVEKGVVEEASEHSISKSRPLR  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

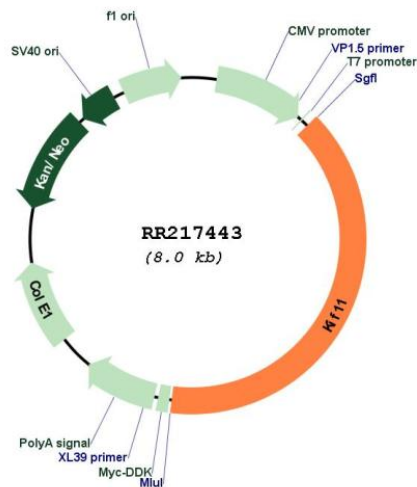
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001169112

ORF Size: 3168 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001169112.1, NP_001162583.1</u>
<b>RefSeq Size:</b>	4731 bp
<b>RefSeq ORF:</b>	3171 bp
<b>Locus ID:</b>	171304
<b>Cytogenetics:</b>	1q53
<b>MW:</b>	118.3 kDa
<b>Gene Summary:</b>	participates in motile activities within the cell [RGD, Feb 2006]