

## Product datasheet for **RN212018**

### **Kif12 (NM\_001012102) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif12 (NM_001012102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212018 representing NM\_001012102  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGAACGTGGGTCTCCCGATGGGGACCTGCACGGAACCTGGAGCAAGGGCCAGAAGGATCAGAAA  
 CCCCTATTCAAGTGGTGCCTCAGGGTGCCTCCATGAGCACAGTGGAGCTGCGTAGAGGGGAGCAGAGTGC  
 ACTGCACTGCTCGGGGACCCGGACGCTGCAGGTGAGCCCTCCGGGTGGGGCCCCGACGTGGCGTTCGCG  
 TTCGGTGCCTACTGGACGGGGCGCGCACAGGAGGACGTGTTGAGAGCTTGGCGTGTGAAGCGCCTGG  
 GCGAGCTGGCGTGCCTGGTTTCTCCTGCACCGTCTTCACTTTTGGCCAGACTGGTTCGGGAAAACCTA  
 CACTCTGACTGGACCTCCTCCTCAGGCAGAAGGGGTGCCCGTCCCCCAGCCTTGTGGCATTATGCAG  
 AGGACCTTCACTGGCTATTAGATCGCATGCAGCACCTGGATTCTCCAGTCACTCCGAGCCTCCTACC  
 TGGAGATCTACAATGAGCAGGTTGAGACTTGTGAGTCAAGGGTCTCCCCGGCCTTGCCTGTTAGGTG  
 GTCCAAGGCACGAGGCTTCTATGTGGAACAGCTTCGGTTGGTGGAGTGTGGCAGTCTGGAAGCTTTGATG  
 GAACTATTGCAGATGGGTCTCAGCGTCCGCGGAGCTCCTCGCATACCTTGAACCAAGGCCTCCAGCAGAA  
 GCCATGCCCTGCTCACACTCCACATCAGCCGCCAACTTCTCAGCAGGTACCTCCTGTGGACCTTGGGGA  
 GCCCCTGTTGGAGGAAAGCTGTGCTTCGTGGACCTTGCAGGCAGTGAGAAGGTGGCAGCCACGGGGTCC  
 AGAGGGCAGCTGATGCTTGGGCAATAGCATTAAACCGCAGCCTATTGGCACTGGCCACTGCATCTCCC  
 TGCTGTTGGACCCACAGAGGAAGCAGAGCCACATCCCCTTCCGGGACAGCAAGCTCACCAAAATTGCTGGC  
 AGACTCACTTGGGGCCGTGGGGTACGCTCATGGTTGCCTGCGTATCCCCTTACGACAGTGCCTTCCC  
 GAGACCTCAGCACTCTCGATACGCAAGCCGAGCTCAGCGGATCACACCCGCCACAGGGTCCCAAGT  
 CCCCTGCAGTAAAGCCACCCAGCAAGTAGAGGCGGAGTGTACAGCTCCAAGAGGAGAATCGTTGCCT  
 CGGGCTCCAGTTGGATCAAATGTACACTAAGGCACCGAGAGTCCACGGAGCCCGGTGGCCTGGGCCAG  
 CGGAACCTCTATGGGATGCTGCAGGAGTTCATGCTGGAGAATGAGAAGCTCAGGAAGGAAATGAGACAGC  
 TTCGGAGTAGCCGGACCTGGCCAGGCAGAGCAGCATGTCTGGCCAGCAGATCCATGAACTGGAGAG  
 GCGCCTCCTTTGGCTTGCCTTCCCCAGCAGACCTTGCACCGTGTGCCCTGCAGGATGACTCCA  
 GCTGCCTCCTGCCATGTACTGCCACCCCTCTGCTACTGCTATCACCTCTGTCTCTGTGCCGAGTGTCT  
 TGACCCACTGGGCTGCCATGGAGAGAATGCCATGCACCACAGGTGCTGGAGCCTGAGGCCCCAGGCCA  
 CATATCTCCATCTGTGCGGCCCCACCTGGGCACCTCCAACAAGCCAGGCTCTGCCAAGCCCCACAA  
 GAGAGGAACCATAGTGACTGGACACAGACAGAGTCTTGCAGAGATGCTGATGGGAGAGGAAGTGTAC  
 CCTCTGCCACCCCTGCCTGCAGGGCCCTCAAACATGCCACAAGTGTAAAGAGGAGGATCTGGGATCCC  
 AAACCAGACCCCAAGACTGGAAACCTCACACACCAGATCAACAGCTCCCTGAACCCAGCCAGAGACAA  
 CCACAGCCAGCGAGGACACACAGAGCCCTGGCCAAGGCCTCTCTTTAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001012102
- Insert Size:** 1944 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001012102.2](#), [NP\\_001012102.2](#)

**RefSeq Size:** 2228 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 313254

**Cytogenetics:** 5q24