

Product datasheet for **RN200201**

Klc1 (NM_001081972) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klc1 (NM_001081972) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klc1
Synonyms:	Kns2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200201 representing NM_001081972
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGACAACATGTCCACAATGGTGTACATGAAGGAAGAGAAGCTGGAGAAGCTTACGCAGGATGAAA
 TCATTTCTAAGACCAAGCAGGTGATCCAGGGCTGGAGGCCCTGAAGAATGAGCACAACCTCATCTGCA
 GAGTCTGCTGGAGACGCTGAAGTCTTGAAGAAGGACGATGAGAGCAACCTGGTGGAGGAGAAGTCCAGC
 ATGATCCGCAAGTCTTGGAGATGCTGGAGCTCGGCTGAGCGAGGCGCAGGTGATGATGGCCCTGTCTA
 ATCACCTGAATGCCGTGGAGTCCGAGAAGCAGAAGCTCCGAGCTCAGTTTCGACGCTGTGCCAGGAGAA
 CCAGTGGCTGCGGGATGAACTGGCCAACACACAGCAGAAGTTACAGAAGAGCAAGCAGTCCGTGGCTCAG
 CTGGAGGAGGAGAAGAAGCACCTGGAGTTCATGAACCAGCTGAAGAAATACGACGACGACATCTCTCCCT
 CGGAAGACAAAGACTCTGATTCTTCAAAGAGCCGTTGGATGACCTTCCCGAATGATGAGGATGACCC
 AGGACAAGGAATCCAGCAGCAACACAGCAGTGTGCGGCCGCGCCAGCAGGGCGGCTACGAGATCCCT
 GCCCGGCTGCGCAGCTCCACAACCTGGTATCCAGTATGCCTCGCAGGGGCGTTACGAGGTGGCGGTGC
 CACTCTGCAAGCAGGCCCTGGAGGACCTGGAGAAGACTTCCGGCCACGACCACCTGATGTGGCCACCAT
 GCTCAACATCCTGGCCCTGGTGTACAGGGATCAGAAACAAGTATAAAGACGCAGCAAACCTCCTGAACGAT
 GCCCTGGCTATCCGTGAGAAAACCTGGGCCGAGATCACCTGCGGTGGCTGCGACCCTCAACAACCTAG
 CAGTGTGTACGGTAAGCGTGGCAAGTACAAGAGGCCGAGCCGCTGTGCAAACGGGCCCTGGAGATCAG
 GGAGAAGTCTGGGAAAGGATCACCTGATGTTGCTAAGCAACTAAATAATCTGGCCTTGCTGTGCCAG
 AACCGGGCAAGTACGAGGAGTGGAGTATTACTACCAGAGGGCCCTGGAGATCTACCAGACGAAGCTCG
 GACCCGATGATCCCAACGTGGCCAAGACGAAGAATAACCTGGCTTCTGTTATCTGAAACAAGGGAAGTT
 CAAACAAGCAGAAACATTGTACAAGGAGATTCTACCCGCGCACATGAACGGGAGTTGGATCTGTGGAT
 GATGAAAACAAGCCATATGGATGCACGCGGAGGAGAGAGAGGAGTGCAAAGGAAAGCAGAAGGACGGGT
 CGTCTTTTGGAGAGTATGGCGGCTGGTATAAGGCCTGCAAAGTGGACAGTCCCACCGTCACAACCACCTT
 GAAAAACCTGGGAGCACTTACCGCCGCGAGGGGAAGTTTGAAGCTGCGGAGACTGGAGGAAGCTGCC
 CTGAGGTACGTAAGCAGGCTTGTACAATGTTCAACAACAGAGAGTGGCTGAAGTGCTAAATGACCCTG
 AGAACGTGGAGAAGCGGAGGAGCCGGGAGGCCTCAATGTGGACGTGGTCAAGTACGAGAGTGGCCCTGA
 CGGAGGGAGGAAGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081972
- Insert Size:** 1629 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_001081972.1](#), [NP_001075441.1](#)

RefSeq Size: 2308 bp

RefSeq ORF: 1629 bp

Locus ID: 171041

Cytogenetics: 6q32

Gene Summary: light chain subunit of microtubule-stimulated ATPase [RGD, Feb 2006]