

Product datasheet for **RN200203**

Klc1 (NM_001081974) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klc1 (NM_001081974) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klc1
Synonyms:	Kns2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200203 representing NM_001081974
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGACAACATGTCCACAATGGTGTACATGAAGGAAGAGAAGCTGGAGAAGCTTACGCAGGATGAAA
 TCATTTCTAAGACCAAGCAGGTGATCCAGGGCTGGAGGCCCTGAAGAATGAGCACAACCTCCATCCTGCA
 GAGTCTGCTGGAGACGCTGAAGTCTTGAAGAAGGACGATGAGAGCAACCTGGTGGAGGAGAAGTCCAGC
 ATGATCCGCAAGTCTTGGAGATGCTGGAGCTCGGCTGAGCGAGGCGCAGGTGATGATGGCCCTGTCTA
 ATCACCTGAATGCCGTGGAGTCCGAGAAGCAGAAGCTCCGAGCTCAGTTTCGACGCTGTGCCAGGAGAA
 CCAGTGGCTGCGGGATGAACTGGCCAACACACAGCAGAAGTTACAGAAGAGCGAGCAGTCCGTGGCTCAG
 CTGGAGGAGGAGAAGAAGCACCTGGAGTTCATGAACCAGCTGAAGAAATACGACGACGACATCTCTCCCT
 CGGAAGACAAAGACTCTGATTCTTCAAAGAGCCGTTGGATGACCTTCCCGAATGATGAGGATGACCC
 AGGACAAGGAATCCAGCAGCAACACAGCAGTGTGCGGCCGCCAGCAGGGCGGCTACGAGATCCCT
 GCCCGGCTGCGCAGCTCCACAACCTGGTATCCAGTATGCCTCGCAGGGGCGTTACGAGGTGGCGGTGC
 CACTCTGCAAGCAGGCCCTGGAGGACCTGGAGAAGACTTCCGGCCACGACCACCTGATGTGGCCACCAT
 GCTCAACATCCTGGCCCTGGTGTACAGGGATCAGAACAAGTATAAAGACGCAGCAAACCTCCTGAACGAT
 GCCCTGGCTATCCGTGAGAAAACCTGGGCCGAGATCACCTGCGGTGGCTGCGACCCTCAACAACCTAG
 CAGTGTGTACGGTAAGCGTGGCAAGTACAAAGAGGCCGAGCCGCTGTGCAAACGGGCCCTGGAGATCAG
 GGAGAAGTCTGGGAAAGGATCACCTGATGTTGCTAAGCAACTAAATAATCTGGCCTTGTGTGCCAG
 AACCAAGGCAAGTACGAGGAGTGGAGTATTACTACCAGAGGCCCTGGAGATCTACCAGACGAAGCTCG
 GACCCGATGATCCCAACGTGGCCAAGCAGAAGAATAACCTGGCTTCTCTGTTATCTGAAACAAGGGAAGT
 CAAACAAGCAGAAACATTGTACAAGGAGATTCTACCCGCGCACATGAACGGGAGTTGGATCTGTGGAT
 GATGAAAACAAGCCATATGGATGCACGCGGAGGAGAGAGAGGAGTGCAAAGGAAAGCAGAAGGACGGGT
 CGTCTTTTGGAGAGTATGGCGGCTGGTATAAGGCCTGCAAAGTGGACAGTCCCACCGTCACAACCACCTT
 GAAAAACCTGGGAGCACTTACCAGCCAGGGGAAGTTTGAAGCTGCGGAGACTGGAGGAAGCTGCC
 CTGAGGTACGTAAGCAGGCTTGTACAATGTTCAACAACAGAGAGTGGCTGAAGTGTAAATGACCCTG
 AGAACGTGGAGAAGCGGAGGAGCCGGGAGAGCCTCAATGTGGACGTGGTCAAGTACGAGAGTGGCCCTGA
 CGGAGGGGAGGAAGTGAATGAGCGTAGAGTGGAAATGGGATGAGAAAGATGAAGCTCGGCTGGTTAA
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081974

Insert Size: 1683 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_001081974.1](#), [NP_001075443.1](#)

RefSeq Size: 2386 bp

RefSeq ORF: 1683 bp

Locus ID: 171041

UniProt ID: [P37285](#)

Cytogenetics: 6q32

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