

## Product datasheet for **MC228091**

### **Klc3 (NM\_001286038) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klc3 (NM_001286038) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klc3
Synonyms:	BC017147; Klct
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228091 representing NM\_001286038  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGTGTCAGGTGGCAGCCCCTGGAAGCACAGGGCTGGGCCAGAACCCCGAGGAGCTGG  
 TCGGGCAGACACGACAGGTTGTACAGGGACTGGAGGCCCTGCGGGCCAGCACCATAGTCTGGCTGGGCA  
 CCTGGCGGAGGCCCTGGCTGGACCAGGCCCTGTGGCTGGTGTGGAGCTGCTGGAAGAGAAGCAACAGGTG  
 GTGAACCACTCGCTGGAGGCCATCGAGCTGGGGCTGGGTGAGGCCAGGTGCTGCTGGCCCTGTCCGCAC  
 ACGTGAGTGTGTTGGAGGCTGAGAAGCAGAGGCTACGGGCACAGGCACGGAGGCTAGCCCAAGAGAACAC  
 ATGGCTTCGAGAGGAGCTGGAGGAGACACAGGGCGACTGCGGGCCAGCGAGGAGGCTGTGGCCAGCTG  
 GAAGAGGAGAAGGCCACCTCCAGTTCCTGGGGCAGCTGAGGCAGTATGACCCGCCGAGGAGGCCAGA  
 GGCCCGAGTCCCCCCTCGCCGAGACAGCTTGGCATCTCTGTTCCCCAGTGAAGAGGAGGAAAAGAAAGG  
 TCCTGAGGCAGCAGGAGCAGCAGCCGCGCAGCAGGGTGGCTATGAGATCCAGCTCGTCTGCGGACCCTG  
 CACAACCTGGTGTATCCAGTATGCTGGCCAGGGCCGCTATGAGGTGGCAGTTCCCCTATGTCGCCAGGCTC  
 TGGAGGACCTGGAGCGGAGCTCGGGCCACTGCCATCCTGACGTGGCCACCATGCTCAACATCCTGGCACT  
 CGTGTACAGGGACCAGAACAAATACAAGGAAGCTACGGAGCTTCTTACGACGCCCTGCAGATCCGGGAA  
 CAGACGCTGGGTCTGAACACCTGCAGTGGCTGCCACCCTCAACAACCTGGCTGTCTCTATGGAAAAC  
 GTGGACGTTACCGGGAGGCAGAACCCCTCTGCCAGCGTCTGAGATCCGTGAGAAGGTCCTGGGTGC  
 AGACCACCTGATGTGGCCAAGCAGCTCAACAACCTGGCCCTACTGTGCCAGAACAGGGCAAGTTTCAG  
 GACGTGGAGCGGCACTATGCGCGGGCCCTGAGCATCTACGAGGCCCTGGGCGGGCCACAGGACCCAAATG  
 TGGCCAAGACTAAGAACAACCTGGCCTCAGCCTACCTGAAACAGAACAAAGTATCAGCAGGCAGAGGAGCT  
 ATACAAGGAGATCCTCAGCCAGGAGGCCCTGCCGCCCACTTGGAGCCCCCAGGGAGGCACAGCAGGC  
 GATACACAGCAGCAGGTCTGCGCAGGAGCAGTTCCTTCTAAGCTCCGGAATCCATCAGGCGAGGAA  
 GCGAGAAGCTGGTCTCCCGCCTCCGAGGAGAGGGCATGGCAGGGGCTGCCGGATGAAGAGAGCCATGTC  
 ACTCAATATGCTGAACGTGGATGGTCCCAGGGCTGCCCGACGCAGCTCTCCAGCTCTCAACCCGGCAC  
 CTGAGTGAGGCCCTCGGACCCTGAGCATCAGCACACAAGATCTGAGCCCGCGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001286038
- Insert Size:** 1527 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001286038.1](#), [NP\\_001272967.1](#)

**RefSeq Size:** 1944 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 232943

**UniProt ID:** [Q91W40](#)

**Cytogenetics:** 7 9.62 cM

**Gene Summary:** Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein.