

Product datasheet for **MC228092**

Klc3 (NM_001286039) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228092 representing NM_001286039
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTGTCAGGTGGCAGCCCTGGAAGCACAGGGCTGGGCCAGAACGCCTGAACCCGAGGAGCTGG
 TGGCGCAGACACGACAGGTTGTACAGGGACTGGAGGCCCTGCGGGCCGAGCACCATAGTCTGGCTGGCA
 CCTGGCGGAGGCCCTGGCTGGACAGGCCCTGTGGCTGGTGTGGAGCTGCTGGAAGAGAAGCAACAGGTG
 GTGAACCACTCGCTGGAGGCCATCGAGCTGGGGCTGGGTGAGGCCAGGTGCTGCTGGCCCTGTCCGCAC
 ACGTGAGTGTGTTGGAGGCTGAGAAGCAGAGGCTACGGGCACAGGCAGGAGGCTAGCCCAAGAGAACAC
 ATGGCTTCGAGAGGAGCTGGAGGAGACACAGAGGCGACTGCGGGCCAGCGAGGAGGCTGTGGCCCAAGCTG
 GAAGAGGAGAAGAGCCACTCCAGTTCCTGGGCAGCTGAGGCAGTATGACCCGCCGAGGAGAGCCAGA
 GGCCCGAGTCCCCCCTCGCCGAGACAGCTTGGCATCTCTGTTCCCACTGAAGAGGAGGAAAAGAAAGG
 TCCTGAGGCAGCAGGAGCAGCGCCGAGCAGGGTGGCTATGAGATCCAGCTCGTCTGCGGACCCTG
 CACAACCTGGTGATCCAGTATGCTGGCCAGGGCCGCTATGAGGTGGCAGTTCCTATGTCGCCAGGCTC
 TGGAGGACCTGGAGCGGAGCTCGGGCCACTGCCATCCTGACGTGGCCACCATGCTCAACATCCTGGCACT
 CGTGTACAGGGACCAGAACAAATAACAAGGAAGCTACGGAGCTTCTTACGACGCCCTGCAGATCCGGGAA
 CAGACGCTGGGTCTGAACACCCTGCAGTGGTGCCACCCTCAACAACCTGGCTGTCTCTATGAAAAAC
 GTGGACGTTACCGGGAGGCAGAACCCCTCTGCCAGCGTGCTCTGGAGATCCGTGAGAAGGTCTGGGTGC
 AGACCACTCTGATGTGGCAAGCAGCTCAACAACCTGGCCCTACTGTGCCAGAACAGGGCAAGTTTCAG
 GACGTGGAGCGGCACTATGCGCGGGCCCTGAGCATCTACGAGGCCCTGGCGGGCCACAGGACCCAAATG
 TGGCCAAGACTAAGAACAACCTGGCCTCAGCCTACCTGAAACAGAACAAAGTATCAGCAGGCAGAGGAGCT
 ATACAAGGAGATCCTCAGCCAGGAGGCCCTGCCCGCCCACTTGGAGCCCCCAGGGAGGCACAGCAGGC
 GATACACAGCAGCAGGTCTGCGCAGGAGCAGTTCCTTCTTAAGCTCCGGGAATCCATCAGGCGAGGAA
 GCGAGAAGCTGGTCTCCCGCTCCGAGGAGAGGGCATGGCAGGGGCTGCCGGATGAAGAGAGCCATGTC
 ACTCAATATGCTGAACGTGGATGGTCCCAGGGCTGCCCGGACGCAGCTCTCCAGCTCTCAACCCGGCAC
 CTGAGTGAGGCCCTCGGACCCTGAGCATCAGCACACAAGATCTGAGCCCGCGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286039

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001286039.1</u> , <u>NP_001272968.1</u>
RefSeq Size:	1820 bp
RefSeq ORF:	1527 bp
Locus ID:	232943
UniProt ID:	<u>Q91W40</u>
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 (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.