

Product datasheet for **RN202767**

Klhdc8b (NM_001007685) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klhdc8b (NM_001007685) Rat Untagged Clone
Tag: Tag Free
Symbol: Klhdc8b
Synonyms: MGC94736
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202767 representing NM_001007685
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCAGGAGGTGGCCAGGCCCTTTGCTTGGCAGGTGTTCCCCCATGCCACTTGCCGGTCTATG
GCACAGTGGCGCACCAGGATGGACACCTGCTGGTGTAGGGGGCTGTGGCCGGGCTGGGTTACCTCTGGA
CACTGCTGAGACATTGGACATGGCCTCACACACATGGCTGGCATTAGCACCTTGCCACCGCCCGGCT
GGTGCAGCTGCTGTGGTTCTGGTAAGCAGGTGCTAGTGGTGGTGGCGTGGATGAAGTCCAGAGCCAG
TAGCTGCTGTGGAGGCCCTTCTGGCTGATGAAGGCCGCTGGGAGCGCCGGGCGACCTCCCTCAAGCAGC
CATGGGTGTTGCGACTGTGGAGAGAGATGGTATGGTGTATGCCCTGGGGGAATGGGTCCTGACACGGCC
CCCCAGGCCAGGTAAGTCTACGAGTCCCGCCGGGACCGCTGGCTTTCGCTACCCTCCATGCCTACAC
CCTGCTACGGGGCTCCACCTTCTGCACGGGAACAAGATCTACGCTCTGGGAGGTCGCCAGGGCAAGCT
CCCAGTACTGCTTTTGAAGCTTTTGTCTGGAGACACGTACATGGACCCGACACCCAAGTCTGCCAGT
CGCCGAGCTTTTGTGGCTGTGCTATGGCGGAAGGCAGTGTCTTAGCCTGGGTGGCTGCACGAGCCTG
GCCCCACAATTTCTACTCCCGCCGCATTTTGTCAACTGTGGAGATGTTTGACCTGGAGCAGTGGATG
CTGGACTAAGCTGCCTCGTAGCCTGCGGATGAGGGATAAAAGGGCGGATTTTGTGGTTGGCTCCCTGGG
GGCAACATTGTGGCTATTGGGGTCTTGGGAACCGCCGTCGCCCTTGGCCTCTGTGGAGAGCTTACGTC
TTGCACGGCGACGCTGGGAGGCACTGCCTGCCATGCCTACAGCCCGATGCTCCTGTTCCAGCCTGCAGGC
TGGGCCCGACTATTTGTTATTGGGGTGTGGCCAGGGCCGAGTCAAGCTGTGGAAGCACTGTGTCTA
CGTGATGGAGCTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007685



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Insert Size:	1065 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:	<ol style="list-style-type: none">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:	<u>NM_001007685.1</u> , <u>NP_001007686.1</u>
RefSeq Size:	1850 bp
RefSeq ORF:	1065 bp
Locus ID:	306589
UniProt ID:	<u>Q5XIA9</u>
Cytogenetics:	8q32
Gene Summary:	Involved in pinching off the separated nuclei at the cleavage furrow and in cytokinesis. Required for mitotic integrity and maintenance of chromosomal stability. Protects cells against mitotic errors, centrosomal amplification, micronucleus formation and aneuploidy. Plays a key role of midbody function involving abscission of the daughter cells during cytokinesis and appropriate chromosomal and nuclear segregation into the daughter cells. [UniProtKB/Swiss-Prot Function]