OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR202767

Klhdc8b (NM_001007685) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc8b (NM_001007685) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhdc8b
Synonyms:	MGC94736
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202767 representing NM_001007685 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTGCAGGAGGTGGCCAGGCCTTTGCTTGGCAGGTGTTCCCCCCCATGCCCACTTGCCGGGTCTATG GCACAGTGGCGCACCAGGATGGACACCTGCTGGTGTTAGGGGGCTGTGGCCGGGCTGGGTTACCTCTGGA CACTGCTGAGACATTGGACATGGCCTCACACACATGGCTGGCATTAGCACCCTTGCCCACCGCCCGGGCT GGTGCAGCTGCTGTGGTTCTGGGTAAGCAGGTGCTAGTGGTGGGTGGCGTGGATGAAGTCCAGAGCCCAG TAGCTGCTGTGGAGGCCTTCTTGGCTGATGAAGGCCGCTGGGAGCGCCGGGCGACCCTCCCTCAAGCAGC CATGGGTGTTGCGACTGTGGAGAGAGATGGTATGGTGTATGCCCTGGGGGGAATGGGTCCTGACACGGCC CCCCAGGCCCAGGTACTGGTCTACGAGTCCCGCCGGGACCGCTGGCTTTCGCTACCCTCCATGCCTACAC CCTGCTACGGGGCCTCCACCTTCCTGCACGGGAACAAGATCTACGTCCTGGGAGGTCGCCAGGGCAAGCT CCCAGTGACTGCTTTTGAAGCTTTTGATCTGGAGACACGTACATGGACCCGACACCCAAGTCTGCCCAGT CGCCGAGCTTTTGCTGGCTGTGCTATGGCGGAAGGCAGTGTCTTTAGCCTGGGTGGCCTGCAGCAGCCTG GCCCCCACAATTTCTACTCCCGCCCGCATTTTGTCAACACTGTGGAGATGTTTGACCTGGAGCATGGATC CTGGACTAAGCTGCCTCGTAGCCTGCGGATGAGGGATAAAAGGGCGGATTTTGTGGTTGGCTCCCTTGGG GGCAACATTGTGGCTATTGGGGGTCTTGGGAACCAGCCGTGCCCCTTGGCCTCTGTGGAGAGCTTCAGTC TTGCACGGCGACGCTGGGAGGCACTGCCTGCCATGCCTACAGCCCGATGCTCCTGTTCCAGCCTGCAGGC TGGGCCCCGACTATTTGTTATTGGGGGTGTGGCCCAGGGCCCGAGTCAAGCTGTGGAAGCACTGTGTCTA CGTGATGGAGTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

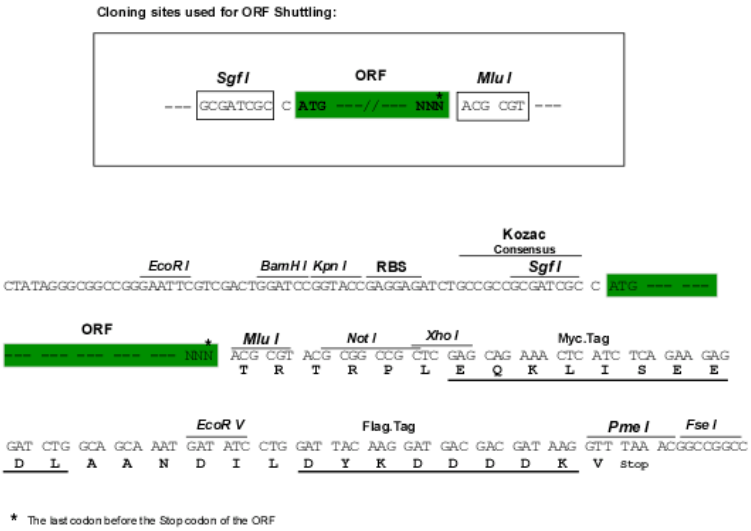
>RR202767 representing NM_001007685
Red=Cloning site Green=Tags(s)

MAAGGGQAFAWQVFPPMPTCRVYGTVAHQDGHLLVLGGCGRAGLPLDTAETLDMASHTWLALAPLPTARA
GAAAVVLGKQVLVVGGVDEVQSPVAAVEAFLADEGRWERRATLPQAAMGVATVERDGMVYALGGMGPDTA
PQAQVLVYESRRDRWLSLPSMPTPCYGASTFLHGNKIYVLGGRQGKLPVTAFEAFDLETRTWTRHPSLPS
RRAFAGCAMAEGSVFSLGGLQQPGPHNFYSRPHFVNTVEMFDLEHGSWTKLPRSLRMRDKRADFVVGSLG
GNIVAIGGLGNQPCPLASVESFSLARRRWEALPAMPTARCSCSSLQAGPRLFVIGGVAQGPSQAVEALCL
RDGV

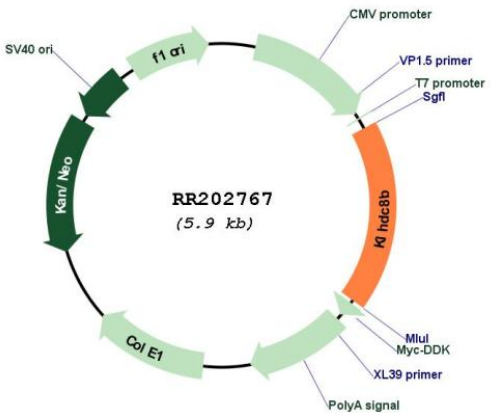
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007685

ORF Size:	1062 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001007685.1, NP_001007686.1
RefSeq Size:	1850 bp
RefSeq ORF:	1065 bp
Locus ID:	306589
UniProt ID:	Q5XIA9
Cytogenetics:	8q32
MW:	37.6 kDa
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]