

Product datasheet for **RR209489**

Klhdc3 (NM_001012203) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc3 (NM_001012203) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhdc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209489 representing NM_001012203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTACGGTGGACAGTGCATCTGGAGGGCGGGCCACGCAGGGTGAACCATGCTGCAGTGGCTGTTGGGC
ACCGAGTATACTCCTTCGGGGTTACTGTTCTGGTGAAGACTACGAAACACTACGGCAGATAGATGTGCA
CATTTTCAATGCTGTGTCCTTGCCTTGGACAAAGCTGCCCCAGTGAGGCCTGCTGTCCGAGGGCAAGCT
CCTGTTGTGCCCTATATGCGGTATGGACACTCGACCGTCTCATTGATGACACGGTTTTCTTTGGGGTG
GGCGTAATGACACCGAAGGGGCTGCAACGTACTCTATGCCTTTGATGTCAATACTCACAAGTGGTCCAC
ACCCCGAGTGTCAAGAACAGTTCCTGGGGCCCGGATGGACATTACAGTTGTGTCCTGGGCAAGATCATG
TACATTTTTGGGGATATGAACAGCTGGCCGACTGCTTTTCCAATGACATCCACAAGCTGGATACCAAGCA
CCATGACATGGACCCTTGTGTTGTACAAAGGGCAATCCTGCACGATGGAGGGACTTCCACTCAGCCACAAT
GCTGGGCAATCACATGTATGTCTTCGGGGCCGTGCTGATCGCTTTGGGCCATTTCAATCCAACAATGAG
ATCTACTGCAATCGAATTCGAGTCTTTGATACCAGAACCAGGCCTGGCTCGACTGTCTCACACGCCGG
TGCTGCCTGAGGGGCGCAGAAGCCATTCAGCCTTTGGCTACAATGGAGAGCTGTATATCTTTGGAGGTTA
TAATGCAAGGCTGAATCGGCATTTCCATGACCTCTGGAAGTTAATCCTGGGTCTTTACGTGGAAGAAG
ATTGAACCGAAGGGGAAAGGGCCATGTCCCGCCGCCAGTGTGCTGTATTGTTGGTGATAAGATTG
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TGACTTACACATCTTGACTTCAGTCCTAGTCTGAAGACTCTCTGCAAACTGGCCGTGATTACGTACAAC
CTGGACAGTCTGTTTGCCCCATGACATCAGGTGGGAGCTCAATGCCATGACCACCAACAGCAATATCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



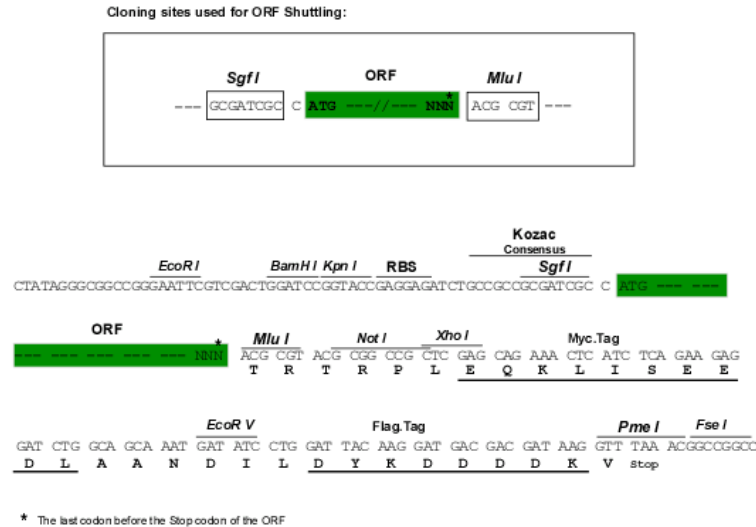
[View online »](#)

Protein Sequence: >RR209489 representing NM_001012203
 Red=Cloning site Green=Tags(s)

MLRWTVHLEGGPRRVNHA AVAVGHRVYSFGGYCSGEDYETLRQIDVHIFNAVSLRWTKLPPVRPAVRGQA
 PVVPYMRYGHSTVLIDDTVFLWGG RNDTEGACNVLYAFDVNTHKWSTPRVSGTVPGARDGHSACVLGKIM
 YIFGGYEQLADCF SNDIHKLDTSTMTWTLVCTKGNPARWRDFHSATMLGNHMYVFGGRADRF GPFHSNNE
 IYCNRI RVFDTRTEAWLDCPHTPVLPEGR RSHSAFGYNGELYIFGGYNARLNRHFHDLWKFNPGSFTWKK
 IEPKGKGPCRRRQCCCCIVGDKIVLFGGTSPSPEEGLGDEFDLIDHSDLHILDFSPSLKTLCKLAVIQYN
 LDQSCLP HDIRWELNAMTTNSNISRP IVSSHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_001012203

ORF Size: 1146 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_001012203.1](#), [NP_001012203.1](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1149 bp

Locus ID: 363192

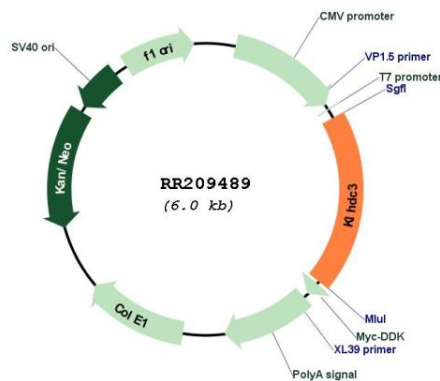
UniProt ID: [Q6AYI2](#)

Cytogenetics: 9q12

MW: 43.1 kDa

Gene Summary: May be involved in meiotic recombination process.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209489