

Product datasheet for **MR209135**

Klhdc4 (NM_145605) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc4 (NM_145605) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhdc4
Synonyms:	AA408426; AV352552; BC012312; G430025P05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209135 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAAGAAGGAAAGAAGGAGAAGAAGGGCCGGGGCCGGGAGAGACGGCCCAAGATGGAGAAGA
 AGGTGTCCAAGCGCTCGCGGAAGGAGGAGGAAGACCTGGAGGCCCTCATAGCCCATTCCAGACCTTGGA
 TGCCAAAAAGACCCAGGTCACAGAAACACCATGTCTCCACCCTCCACGGTTAAACGCCTCCCTGTCT
 GCTCATCTGAGAAAGATGAGCTGATCCTTTTCGGAGGTGAATATTTCAATGGCCAAAAACCTTCATGT
 ATAATGAAGTCTACATCTACAGTACAGAAAGGACACCTGGACAAAAGTTGACATCCCTGGCCACCTCC
 CAGGCGCTGTGCTCATCAGGCTGTGGTGTACCCAGGGTGGTGGCAGCTGTGGTCTTCGGTGGGGAG
 TTTGCATCTCCCGATGGCGAGCAGTTCTACCATTACAAGGACCTCTGGTCTGCACTTGGCCCAAGA
 CCTGGGAACAGATTTCGATCAACAGGGGGTCTTCAGGTGAAGCGGGCATCGGATGGTGGCTGGAAGCG
 ACAGCTAATTCTTTTGGTGGCTCCATGAAAGTGCAAGGGACTACATCTACTACAGTGTGTACACC
 TTCAGCCTGGACACCTTCCAGTGGAGCAAGCTGTCCCATCAGGCGCCGGGCCACGCCAGGTCAGGCT
 GCCTGATGGCTGTCACTCCCGAGGCGAGCATAGCCATCTATGGAGTTACTCAAAGCAGAGAGTCAAGAA
 AGATGTGGACAAAGGCACCCAGCACTCAGACATGTTTCTGCTGAAGCCTGCGGAAGGGGGAGAAGGCAAA
 TGGGCTTGGACAGGATTAACCTTCGGGGGTCAAGCCTACTGCAAGGTCTGGCTTTTCTGTGGCTGTGG
 CTCCAAATCATCAGATACTGGTCTTCGGGGGCGTGTGTGATGAGGAAGAGGAGGAGACCTGGAGGGCTC
 TTCTTCAGTGACCTGTATCTATGATGCGGCCAAGAGTCGCTGGTTTGCAGCAGCTGAAGGGCCCC
 AAGTCAGAGAAGAAGAAACGGAGGCGGGCAAGGCAGAGGATCCTGAAGGCACCACTGAACAGGAGACTG
 GGGGAGCAGTGGCCAGAGCCACTGGAGGTGATAAAAGAGGTGGTGTCTGAAGACGGGACAGTGGTCA
 CATTAAAGCAAGTGCTCACTCCCTCAGGGTGGGGGTGCAGCCCTACCTAAGGCTGATGACAGTGCCTCA
 GAGGCCAGCAGCACTGGACAGGAGCCATGCCCTCGTTCCAACGCCATGCTGGCTGTCAAGCATGGACTGC
 TGTACGCTATGGCGGCATGTTTGAAGCTGGTACCAGCCAGGTGACCCTTAGTGACCTCTACTGCCTTGA
 CCTTCACAAGATGGAAGAGTGGAAAACCTTGGTGGAGATGGATCCGAAATCCCAGGAGTGGCTGGAGGAG
 TCGGACTCAGAAGAGGACAGCAGCTCAGATGAAGAGAGTGAAGATGGAGAGGATGAAGACCAGGAGGACA
 GTGCTGAGGAGGGAGCAGATCCGCAGCACCCAGAGGTGGCCCGTGGGAGCAATTCGAAGAGTACCTGTC
 CCGGACTGAGCAGCACTGGCTGAAGCTGGCCCGGAGCCATGTGGGCTGAAGCAAGGAGAAGAAAGTG
 TTGAAAGTAGCCAGGCCATGGCAAATCATGCTTTGATGATGCAGTTCAAGACATTGCACAGGCCAGAC
 AC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209135 protein sequence
 Red=Cloning site Green=Tags(s)

MGKKGKKEKKGRGAEKTAAMEKKVSKRSRKEEEDLEALIAHFQTLDAKKTQVTEPCPPPSRLNASLS
 AHPEKDELILFGGEYFNGQKTFMYNELYIYSIRKDTWTKVDIPGPPPRCAHQAVVVPQGGGQLWVFGGE
 FASPDGEQFYHYKDLWVHLATKTWEQIRSTGGPSGRSGHRMVAWKRQLILFGGFHESARDYIYSDVYT
 FSLDTFQWSKLSPSGAGPTPRSGCLMAVTPQGSIAIYGGYSKQRVKKDVKDGTQHSDFLLKPAEGGEGK
 WAWTRINPSGVKPTARSQFSVAVAPNHQILVFGGVCDEEEESLEGSFFSDLYIYDAAKSRWFAAQLKGP
 KSEKKKRRRGKAEDPEGTEQETGGSSAPEPLEVIKEVSEDGTVVTIKQVLTSPGLGVQSPKADDSAS
 EASSTGQEPKPRSNAMLAVKHGLLYVYGMFEAGDRQVTLSDLYCLDLHKMEEWKTLVEMDPKSQEWLEE
 SDSEEDSSSEDESEDGEDEDQEDSAEAGDPQHPEVARGEQFEEYLSRTEQHWLKLARSHVGPAAEKKY
 LKVAQAMAKSCFDDAVQDIAQARH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_145605

ORF Size: 1755 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_145605.1](#), [NP_663580.1](#)

RefSeq Size: 2083 bp

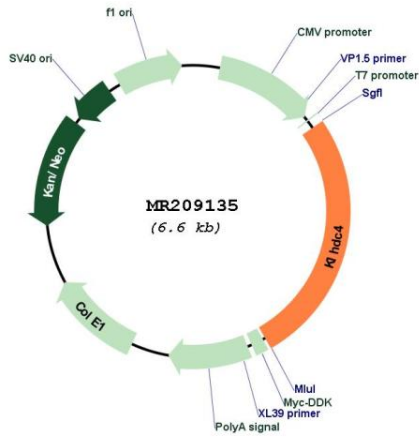
RefSeq ORF: 1755 bp

Locus ID: 234825

Cytogenetics: 8 E1

MW: 64.9 kDa

Product images:



Circular map for MR209135