

## Product datasheet for RN214506

### Klhdc2 (NM\_001034133) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc2 (NM_001034133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klhdc2
Synonyms:	MGC124658
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214506 representing NM_001034133 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCTGATGGCAACGAGGATGCTCGAGCGGAGGACATGCCAGGCCCGCCCTTCGAAGGCTACGAGGCCA  
TGGAGCTGGCCTGCCCGCCGAGCGCAGCGGCCACGTCGCCGTCAGCGATGGCGCCACATGTTCTGCTCG  
GGCGCGCTACAAGAGTAATCAAGTGAGAGGACTCTATGACTTCTATCTGCCAGAGAAGAACTGTGGATC  
TACAATATGGAGACTGGAAGATGGAAGAAGATCAACACTGAAGGTGATGTGCCCCCGTCCATGTCTGGGA  
GCTGTGCTGTGTGCGTAGACAGGGTGTGTACTTGTGGAGGCCACCATTCCAGAGGCAACACAAACAA  
GTTCTACATGCTGGATTCAAGGTCTGCAGACAGAGTGTACAGTGGGAAAGGATTGATTGCCAAGGAATT  
CCTCCATCATCAAAGGACAACTTGGTGTCTGGGTATATAAAAACAAGTTAATATTTTTGGAGGCTATG  
GATATTTACCTGAAGATAAAGTATTGGGAACATTTGAATTTGATGAAACATCTTTTTGGAATTCAGTCA  
TCCAAGAGGATGGAATGATCATGTCCATATTTAGACACTGAAACATTTGCCTGGAGCCAGCCCATCACC  
ACTGGCAAGGCACCTTCACCTCGTGTGCCATGCCTGTGCAACTGTTGGAAACAAGGTTTTGTATTTG  
GTGGCAGATACCGAGATGCTAGAATGAATGATCTGCATATCTTAATCTGGACACATGGGAGTGGAAATGA  
ACTAATCCACAAGGTATATGCCCTGTTGGCCGCTCCTGGCACTCACTGACACCAGTTTCTTCAGACCAT  
CTTTTTCTCTTCGGAGGATTTACCACTGAAAAGCAGCCACTAAGTGATGCCTGGACTTACTGCATCAGTA  
AAAATGAATGGATTCAAGTTAATCATCCTTATGTTGAAAAACCAAGATTGTGGCATAACAGCTTGTGCGAG  
CGATGAGGGAGAAGTAATGTTTTGGTGGTGTGCCAACAACTGCTGGTCCATCATAGAGCTGCACAC  
AGTAACGAAGTACTTATATTTTCAGTCCAACAAAATCTCTGTACGGCTAAGCTTAGAAGCAGTCATTT  
GCTTTAAAGAAATGCTAGCCAACTCGTGGAGCTGCCTTCCAAAACACTTACTTCACAGTGTAAATCAGAG  
GTTTGGTAGTACAACACTTCTGGATCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001034133
<b>Insert Size:</b>	1221 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001034133.1</a></u> , <u><a href="#">NP_001029305.1</a></u>
<b>RefSeq Size:</b>	1670 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	299113
<b>UniProt ID:</b>	<u><a href="#">Q3KRE6</a></u>
<b>Cytogenetics:</b>	6q24
<b>Gene Summary:</b>	Represses CREB3-mediated transcription by interfering with CREB3-DNA binding. [UniProtKB/Swiss-Prot Function]