

Product datasheet for RN209937

Klhdc10 (NM_001017456) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc10 (NM_001017456) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klhdc10
Synonyms:	RGD1309792
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209937 representing NM_001017456 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCTGCCAGGGCTGGGACCGGAACCGCCGGCGGGGAGGAGGCGCAGCCGGCGGGCCAGCGGG
TTAGCGGGCCGGCGGGCCGGCGGGGTGGGGCACCGACAGCTCAACCGATTCGTGCAGCTCTCCGG
ACGTCCGACCTGCCAGGCCACAGACCTCCCCAGCCCGAGTGGACACCGTTGTGTGGCAGATAACACC
AATCTCTATGTGTTGGAGGTATAACCCAGACTATGATGAATCGGGAGGGCCAGATAACGAAGACTATC
CTCTCTCAGGGAGCTTTGGAGGTATCATTTTGAACAGGCGTGTGGCACCAGATGGGCACAGATGGCTA
CATGCCCCGGAATTGGCATCTATGTCACCTGTGCTGCATGGAACAACCTGCTTGTCTTTGGAGGCACA
GGCATCCATTTGGGGAGAGCAACGGCAATGATGTCCACGTCTGCAATGTGAAGTACAAGAGATGGGCT
TACTCAGCTGTGCTGGGAAGAGACCCAGTCGGATATACGGACAGGCAATGGCCCTCATCAATGGGTCCCT
TTACGTCTTTGGGGAAACAACCTGGCTACATCTATAGCACAGACCTGCACAAGTTAGATCTCAACACCATG
GTGTGGACACAGCTCAAACCAACAACCTGTCTGTGACCTGCCGGAGGAGAGGTACAGACATGAAATTG
CTCATGATGGGCAGAGGATTTACATCTTGGGAGGAGGCACTTCTGGACAGCCTATTCTTAAACAAGAT
CCACGCATATAACCTTGAACAAATGCATGGGAGGAGATCGCAACAAAACCTCATGAAAAATAGGTTTT
CCTGCAGCCGACGATGTCACAGTTGTGTTCAAATAAAAAATGATGCTTTCATTTGGTGGCTATAATG
GAGAAGTGATCCTGGGAGACATCTGGAAGCTGAATCTTCAGACTTTTCAGTGGTGAAGCTCCCCGCCAC
CATGCCAGAGCCGTTTACTTTCACTGTGCAGCTGTCACACCTGCCGGCTGCATGTATATCCACGGAGGA
GTGGTGAACATCCACGAAAAACAACGGACTGGATCGCTGTTTAAAGATCTGGCTGGTGGTACCTAGCCTGC
TGGAACTGGCATGGGAGAAGCTGCTCGCGGCCTTCCCCAACCTAGCAAACCTTTCCCGAACACAGCTTCT
GCACCTTGGACTCACACAGGAACATCGAGCGTTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001017456
Insert Size:	1233 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_001017456.1, NP_001017456.1</u>
RefSeq Size:	1480 bp
RefSeq ORF:	1233 bp
Locus ID:	312199
UniProt ID:	<u>Q5U3Y0</u>
Cytogenetics:	4q22
Gene Summary:	Participates in the oxidative stress-induced cell death through MAP3K5 activation. Inhibits PPP5C phosphatase activity on MAP3K5 (By similarity).[UniProtKB/Swiss-Prot Function]