

Product datasheet for **MR206992**

Klhdc10 (NM_029742) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc10 (NM_029742) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klhdc10
Synonyms:	2410127E18Rik; AI593221; mKIAA0265
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206992 representing NM_029742
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCGGCTGCCAGGGCTGGGACCGGAACCGCCGGCGGGAGGAGCGCGGCCGGCGGGGCCAGCGGG
 TTAGCGGGCGCGCGCGCGCGGGGTGCGGGCACCGACAGCTCAACCGATTCTGTCAGCTCTCGGG
 ACGGCCGCACCTGCCAGGTAAGAAGAAAATACGGTGGGACCCAGTTAGGAGGCGCTTCATTCACTCTGT
 CCCATCATAAGGATCCCTAACAGGTTCTTGAGAGGCCACAGACCTCCCCAGCCCGCAGTGGACACCGTT
 GTGTGGCAGACAATACCAATCTCTATGTGTTTGGAGGGTATAACCCAGACTATGATGAATCGGGAGGGCC
 GGATAACGAAGACTACCCTCTCTCAGGGAGCTTTGGCGGTATCATTTTGCAACAGGCGTGTGGCACCAG
 ATGGGTACAGATGGCTACATGCCCGGGAATTGGCATCAATGTCACCTGTGCTGCATGGAACAACCTGT
 TAGTGTTCCGAGGTACAGGCATCCGTTTGGTGAGAGCAACGGCAATGACGTCCATGTCTGCAATGTGAA
 GTACAAGAGATGGGCTCTACTCAGCTGTCGGGGGAAGAGGCCAGCCGTATATACGGACAGGCCATGGCC
 CTCATCAATGGGTCCCTTATGTCTTTGGGGGAACAACCGGCTACATCTATAGCACAGACCTGCACAAGT
 TAGATCTCAACACCATGGTGTGGACACAACCTCAAAACAAACACCTGTCCTGTGACCTGCCGGAGGAGAG
 GTACAGACATGAAATTGCTCATGACGGGCAGAGGATTTACATCTTGGGAGGAGGTAATCTCTGGACAGCC
 TATTCCTTAAACAAGATCCATGCATACAACCTTGAAACAAATGCATGGGAGGAGATCGCAACAAAACCTC
 ATGAAAAAATAGGTTTTCTGCAGCCCGACGATGTCACAGTTGTGTTCAAATTAATAATGATGTCTTCAT
 TTGTGGGGCTATAATGGAGAAGTGATCCTGGGAGACATCTGGAAGCTGAATCTGCAGACGTTTCAGTGG
 GTGAAGCTCCCTGCCACCATGCCAGAGCCGTTTACTTTCACTGTGCGGCTGTCACTCCTGCTGGTTGCA
 TGTACATCCACGAGGAGTGGTGAACATCCATGAAAACAAACGGACTGGGTCGCTGTTTAAAGATCTGGCT
 GGTGGTACCTAGCCTGCTGGAACCTGGCATGGGAGAAGCTGCTCGCGGCCTTCCCAACCTAGCAACCTC
 TCCGAACACAGCTCCTGCACCTTGGAACCTCACACAGGAACCTCATCGAGCGTTTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206992 representing NM_029742
 Red=Cloning site Green=Tags(s)

MSAAQGWDRNRRRGGGAAGGASGVSGAGAAGGGRGTGQLNRFVQLSGRPHLPGKKKIRWDPVRRRFIQSC
 PIIRIPNRFRLGRHPPPARSGHRCVADNTNLVYFGGYNPDYDESGGPDNEDYPLFRELWRYHFATGVWHQ
 MGTDGYPRELASMSLVHGNLLVFGGTGIPFGESNGNDVHVCNVKYKRWALLSCRGRPSRIYQAMA
 LINGSLYVFGTTGYIYSTDHLKLDLNTMVWTQLKPNLSCDLPEERYRHEIAHDGQRIYILGGGTSWTA
 YSLNKIHAYNLETNAWEEIATKPHEKIGFPAARRCHSCVQIKNDVFICGGYNGEVILGDIWKLNLQTFQW
 VKLPATMPEPVYFHCAAVTPAGCMYIHGGVNIHENKRTGSLFKIWLVPSSLLELAWEKLLAAFPNLNL
 SRTQLHLGLTQELIERLK

TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9091_a11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_029742

ORF Size: 1317 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029742.3](#), [NP_084018.1](#)

RefSeq Size: 5962 bp

RefSeq ORF: 1320 bp

Locus ID: 76788

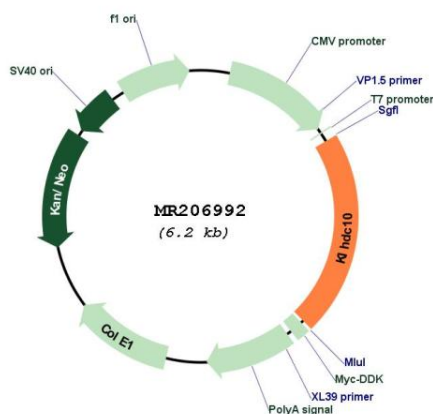
UniProt ID: Q6PAR0

Cytogenetics: 6 A3.3

MW: 49 kDa

Gene Summary: Participates in the oxidative stress-induced cell death through MAP3K5 activation. Inhibits PPP5C phosphatase activity on MAP3K5.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206992