

Product datasheet for MR214707

Mcidas (NM_001037914) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcidas (NM_001037914) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mcidas
Synonyms: EG622408; Gm6320; Idas; Mci; Mcin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214707 representing NM_001037914
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCGTGCGAGGGCAGCGCAGCCGGACGCCGGCCCTTCGACAGCATCTGCCCAACAGGATGCTGG
ACCTGTCGCGGGACCCCTCGGCAAGCCCGGAAGCCGGAGAGGAAGTTCGTTCCCTTCGTGGAAGTCCTT
TTCGGGATGCGGTGGCGGACCCGGTGGCGGTGTACGAGGACCCCTCCGGACGCAGAGCCCGCCCACTG
CCAGCTCTACAACCATAGACCTGCAGGACCTCGCCGACTGCACCTCGTCTCGGAACCGAAGCGTCTC
CTAGTGGTGATTGTCGCGTCCGAGAACCCCTCCTTGCAAAGTGAAGAAGACTTCAACCTGCAGAATTT
CAGAGATGCAATGGATGACCTCATTGCAGATTCATCCTCTTTGATGTCGCTCCCTGACCAACAGTGAC
TTCCCTTTCCCTTGTGATGTTTCGTCCTTCGGGTCCTGCCTCTCCCATCGCTGGACCCACCTGCCT
TGGGGTCTCCAGACCTGCCGCCACCACCAACGGAGCAGTACTGGAAGGAGGTGGCTGACCAGAACCAGAG
GGCACTGGGGACTGCTCTCATAGAGAATAACCAACTGCACGTGACGCTGACGCAGAAGCAGGAGGAGATA
GCCTCGTCCGGGAGAGGAACGTGCAGCTGAAAGAAGTCCAGCCAGCCGGACCCGGCACCTGGCCTCAGTGC
TGGATAAGCTGATGATCACGCAGTCTCCTGCCGAGCCCTCCAGATCAAGGCAACAACGAAAAGGAGCCT
GGAGGAGCTGTTCTGTGCTGCGGGCAAGCAGGGCAGGGTTGCGCGGAAGTGACGCCATCCTCAGAGAC
ATCTCCAGCGCTGCGAGGAAGCCCTGCACAATCGTGACCCTAAGCGGCCAGGCTGCAGCCAGAGCCAG
ACAGCAAGGACTGCAGTCCAGGAACCTCCACGGCGCCTTCCGAGGACTGCGCACCGACTGCAGCGCCAG
CTCGGTGAATCTGAGTCACAGTGAAGTGGAGGAAGGCGGCTCCTTCAGCACGCCCATCCGAGCCACAGT
ACCATCCGACCCCTGGCTTTCCCCAGGGCAAAGCCTTACCATCCGGACAGTACCAGGTGGTTACAAAT
TCCGCTGGGTCCCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214707 representing NM_001037914
Red=Cloning site **Green**=Tags(s)

MQACEGSAAGRRAFDISICPNRMLDLRRRTLKPKGKPERKFVPSWKSFSGCGGGSPVAVYEDPPDAEPAPL
PALTTIDLQDLADCTSLLGTEASPSGDSASQNPQLQTEEDFNLQNFQDAMDLLADSSSLMSPPLTNSD
FPFSPCDVSSFGSCLSPSLDPPALGSPDLPPPTTEQYWKEVADQNQRALGTAL IENNQLHVTLTQKQEEI
ASLRERNVQLKELASRTRHLASVLDKLMITQSPAEPFQIKATTKRSLEELFCAAGQAGQGCAEVDAILRD
ISQRCCEALHNRDPKRPRLQPEPDSKDCSSRNHLGAFRGLRTDCSASSVNL SHSELEEGGSFSTPIRSHS
TIRTLAFPQGKAFTIRTVTGGYKFRWVPS

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/mm9045_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037914

ORF Size: 1137 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_001037914.3](#), [NP_001033003.1](#)

RefSeq Size: 2354 bp

RefSeq ORF: 1140 bp

Locus ID: 622408

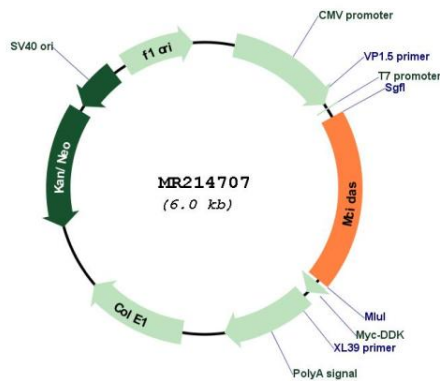
UniProt ID: [Q3UZ45](#)

Cytogenetics: 13

MW: 41.6 kDa

Gene Summary: Transcription regulator specifically required for multiciliate cell differentiation. Acts in a multiprotein complex containing E2F4 and E2F5 that binds and activates genes required for centriole biogenesis. Required for the deuterosome-mediated acentriolar pathway. Plays a role in mitotic cell cycle progression by promoting cell cycle exit. Modulates GMNN activity by reducing its affinity for CDT1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214707