OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG214707

Mcidas (NM_001037914) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcidas (NM_001037914) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mcidas
Synonyms:	EG622408; Gm6320; Idas; Mci; Mcin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG214707 representing NM_001037914
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAGCGTGCGAGGGCAGCGCAGCCGGACGCCGGGCCTTCGACAGCATCTGCCCCAACAGGATGCTGG
ACCTGTCGCGGCGGACCCTCGGCAAGCCCGGGAAGCCGGAGAGGAAGTTCGTTCCTTCGTGGAAGTCCTT
TTCGGGATGCGGTGGCGGCAGCCCGGTGGCGGTGTACGAGGACCCTCCGGACGCAGAGCCCGCCCCACTG
CCAGCTCTCACAACCATAGACCTGCAGGACCTCGCCGACTGCACCTCGCTGCTCGGAACCGAAGCGTCTC
CTAGTGGTGATTCGTCCGCGTCGCAGAACCCCTCCTTGCAAACTGAAGAAGACTTCAACCTGCAGAATTT
CAGAGATGCAATGGATGACCTCATTGCAGATTCATCCTCTTTGATGTCGCCTCCCCTGACCAACAGTGAC
TTTCCCTTTTCCCCTTGTGATGTTTCGTCTTTCGGGTCCTGCCTCTCCCCATCGCTGGACCCACCTGCCT
TGGGGTCTCCAGACCTGCCGCCACCACCAACGGAGCAGTACTGGAAGGAGGTGGCTGACCAGAACCAGAG
GGCACTGGGGACTGCTCTCATAGAGAATAACCAACTGCACGTGACGCTGACGCAGAAGCAGGAGGAGATA
GCCTCGCTCCGGGAGAGGAACGTGCAGCTGAAAGAACTCGCCAGCCGGACCCGGCACCTGGCCTCAGTGC
TGGATAAGCTGATGATCACGCAGTCTCCTGCCGAGCCCTTCCAGATCAAGGCAACAACGAAAAGGAGCCT
GGAGGAGCTGTTCTGTGCTGCGGGGCAAGCAGGGCAGGGTTGCGCGGAAGTGGACGCCATCCTCAGAGAC
ATCTCCCAGCGCTGCGAGGAAGCCCTGCACAATCGTGACCCTAAGCGGCCCAGGCTGCAGCCAGAGCCAG
ACAGCAAGGACTGCAGCTCCAGGAACCTCCACGGCGCCTTCCGAGGACTGCGCACCGACTGCAGCGCCAG
CTCGGTGAATCTGAGTCACAGTGAGCTGGAGGAAGGCGGCTCCTTCAGCACGCCCATCCGCAGCCACAGT
ACCATCCGCACCCTGGCTTTCCCCCAGGGCAAAGCCTTCACCATCCGGACAGTCACCGGTGGTTACAAAT
TCCGCTGGGTCCCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

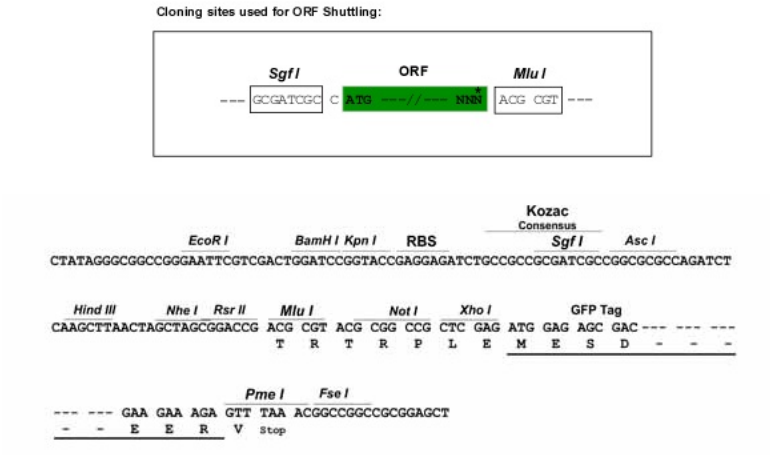
>MG214707 representing NM_001037914
Red=Cloning site Green=Tags(s)

MQACEGSAAGRRAFDSICPNRMLDLSRRTLGKPGKPERKFVPSWKSFSGCGGGSPVAVYEDPPDAEPAPL
PALTTIDLQDLADCTSLLGTEASPSGDSSASQNPSLQTEEDFNLQNFRDAMDDLIADSSSLMSPPLTNSD
FPFSPCDVSSFGSCLSPSLDPPALGSPDLPPPPTEQYWKEVADQNQRALGTALIENNQLHVTLTQKQEEI
ASLRERNVQLKELASRTRHLASVLDKLMITQSPAEPFQIKATTKRSLEELFCAAGQAGQGCAEVDAILRD
ISQRCEEALHNRDPKRPRLQPEPDSKDCSSRNLHGAFRGLRTDCSASSVNLSHSELEEGGSFSTPIRSHS
TIRTLAFPQGKAFTIRTVTGGYKFRWVPS

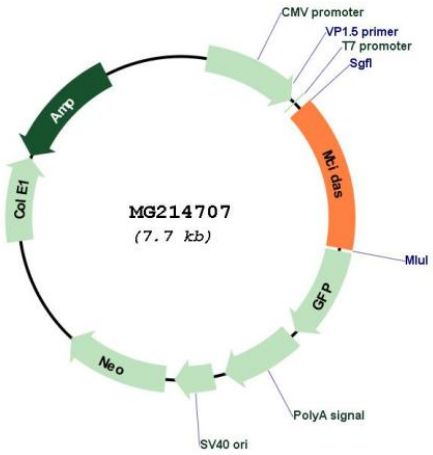
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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
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]