

Product datasheet for RC231199

Multicilin (MCIDAS) (NM_001190787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Multicilin (MCIDAS) (NM_001190787) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Multicilin
Synonyms:	CILD42; IDAS; MCI; MCIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231199 representing NM_001190787 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAGGCGTGCGGGGGCGGCGCGGCCGCGTTCGACAGCATCTGCCCCAACAGAATGCTGG
 CACTGCCGGGGCGGCGTCTCTGCAAGCCGGGAAGCCGGAGAGGAAGTTCGCTCCTCCGCGGAAGTT
 CTTCCCCGGATGCACAGGCGGGAGCCCGGTGTCGGTGTACGAGGATCCCCCGACGCCGAGCCACAGCG
 CTGCCAGCCCTCACCACCATAGACCTGCAGGACCTCGTGAAGTCTCTCGCTACTCGGGTCCGACGCGC
 CGCCTGGTGGTGACCTGGCCGCCTCGCAGAACCATTCCACCAAACGGAAGCAGACTTCAATCTGAAGA
 TTTCAGAGACACGGTGGATGATCTCATTTTCAGACTCATCTCTATGATGTGCGCTACCTGGCCAGCGGA
 GACTTCCCCTTCTCTCTTGCACATATCACCATTCCGGGCCCTGCCTCTCCCCGCCACTGGACCCACGGG
 CCCTGCAGTCACCACCGCTGCGCCCTCCAGACGTGCCCCCGCCTGAGCAATACTGGAAGGAGGTGGCGGA
 CCAGAACCAGAGAGCGTTGGGAGACGCGCTTGTGAGAATAATCAACTGCACGTGACATTGACCCAGAAA
 CAGGAGGAGATCGCTCGCTCAAGGAGCGGAACGTGCAGCTGAAGGAACCTGCCAGCCGAACCCGGCACC
 TGGCCTCGGTGCTGGATAAGCTGATGATCACACAGTCCCGGGATTGTGGGGCGGCGGCCGAGCCCTTCT
 GCTCAAGGCGAAGGCCAAAAGGAGCCTGGAGGAGTTGGTCAGCGCTGCGGGCAGGATTGCGCGGAAGTG
 GACGCCATCCTGAGGGAGATTTCCGAGCGCTGCGATGAAGCCCTTCAGAGCCGCGATCCCAAGCGGCCCC
 GACTGCTGCCAGAGCCCGCAATACTGACACCAGGCCCGGGAACCTGCATGGCGCCTTCCGGGGGCTGCG
 CACAGACTGCAGCCGAGCGCGTTGAACCTGAGCCACAGTGAGCTGGAGGAGGGCGGCTCCTTCAGCACC
 CGCATCCGAGCCACAGCACCATCCGCACCCTCGCCTTCCCCAGGGCAATGCCTTCACCATCAGAACAG
 CCAACGGGGTTACAAGTTCCGCTGGGTCCCCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC231199 representing NM_001190787
 Red=Cloning site Green=Tags(s)

MQACGGGAAGRRAFDSICPNRMLALPGRALLCKPGKPERKFAPPRKFFPGCTGGSPVSVYEDPPDAEPTA
 LPALTTIDLQDLADCSSLLGSDAPPGDLAASQNHSHQTEADFNLDQFRDVTDDLISDSSMMSPTLASG
 DFPFSPCDISPFGPCLSPPLDPRALQSPPLRPPDVPPPEQYWKVADQNQRALGDALVENNLHVTLTQK
 QEEIASLKERNVQLKELASRTRHLASVLDKLMITQSRDCGAAAEFLLKAKAKRSLEELVSAAGQDCAEV
 DAILREISERCDEALQSRDPKRPRLLEPANTDTRPGNLHGAFRGLRTDCSRNALNLSHSELEEGGSFST
 RIRSHSTIRTLAFPPQNAFTIRTANGGYKFRWVPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1313_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190787

ORF Size: 1155 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_001190787.3](#)

RefSeq ORF: 1158 bp

Locus ID: 345643

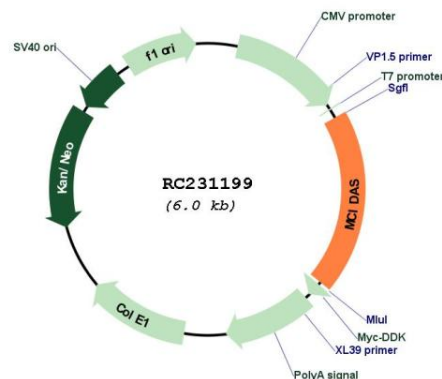
UniProt ID: [D6RGH6](#)

Cytogenetics: 5q11.2

MW: 42.2 kDa

Gene Summary: This gene encodes a member of the geminin family of proteins. The encoded nuclear protein is required for the generation of multiciliated cells in respiratory epithelium. Mutations in this gene cause a rare mucociliary clearance disorder associated with recurring respiratory infections in human patients, known as reduced generation of multiple motile cilia (RGMC). [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC231199