

Product datasheet for MR214679

Ccdc74a (NM_001166164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc74a (NM_001166164) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc74a
Synonyms:	2310015A05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214679 representing NM_001166164 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGGCGGGCTGGCGGCCGGGCTCGGCCCTCAGCTCCGCGGCCCCAGGCTCCCGGGCGCGG
CCCGCCTACGCCCGCCCTCCCGCGGCTGCAGCACGCGGGGACGAGCCGCTCCGCTCGGGTTCAG
CGAAGCACAGAAGCGGATCCTGGACCTGAAAAAGAGCCTGCAGTTCCTACAGCAGCAGCACTCGGAGACG
CTAGTCAAACCTCCAGGAGATCGAGCACCTGAAGCGGAGAATAAGGATCTCCACTACAAGCTAATCA
TGAAATGAGAAGCCTCAGAAAAAGGCAGCATCTCCACATGGAGCCTTCACTCTGGCAAGTCCGCCTCAA
TTCCACGATGTCCGCAACTCTCAAGGCAAGACCAGGCCCCAGCCAGCTCCTTCAAGAAACAAGAGCTG
AAGTCTGAAGCCCTCAAAGACAGACCTGGAAGAGCAGTCACTCAGCAGTGTGCCCTGTCCCACAGCA
GCAAGCTGGACAGAGTCCCTGGGGCTCAGGGACAGGCCAAAGACGAGGATGCAGAGCCCTAATTCAGG
GGCCACGTTGGTGGGGGCGAGCCATGGCCGGCAAGGGACGGGGATGGCCCTTAAATGAGCCTGCCCCCG
CACCTGCGCAAGCCACCAAGTGCAGCAGTGTGAGGTGGTTCATCCGTCAGCTGTGGAACGCCAACCTCC
TGCAGGCCAGGAGTACGGCACCTCAAGTCACTCCTGGAAGGGAACCAAGGCCAAAGCTGCAGCTGA
GGAGCTGGGCTGGTTCCTCAAAGGACCAGGACCATGCAGTTTCCAAGTCACTCCAAGGGCCTT
AGTAAGAAGTGCTAATCTGAGCCCAATGCCTGCTGCAGAGCGAGGCATCCTGCCTGCATTGAAACAGA
GCCTGAAGAACAACCTTTGCTGAGCGGCAGAAAAGGCTGCAAGTAGTACAGAGCCGCGCCTGCACCCTC
TGTGCTGCTGAGCCGGCCCTGGAGCCCGCCATCCTCTCTCGATAGTGCTCACACCAACCTATTTT
GCAGCCACACGCAATTCCAAAACAGACAGAACCACGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR214679 representing NM_001166164
 Red=Cloning site Green=Tags(s)

MSGAGLAAGARPLSSAAPGSRGAARLRPRPPAGLQHAGTQPPLGFSEAQKRILDLEKSLQFLQQHSET
 LVKLHEEIEHLKRENKDLHYKLIMNEKPQKKGSI STWSLHSGKSASNSTMSANSQKTRPQPSSFKKQEL
 KSEALQKTDLEEQLSSAALSHSKLDRVPGAQQAQKDEDAEPSNSGATLVGGSHGRQGTGMAPLMSLPP
 HLRKPTTVQCEVVIRQLWNANLLQAQELRHLKSLLEGNQRPKAAEEAGLGSPKQDQTMQFPKVT SKGL
 SKKCLILSPMPAAERGILPALKQSLKNNFAERQKRLQVVQSRRLHRSVLLSRRPGARPSSLDGSHQPYF
 AATRNSKTDRTHDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9090_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001166164

ORF Size: 1092 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_001166164.1, NP_001159636.1

RefSeq Size: 1278 bp

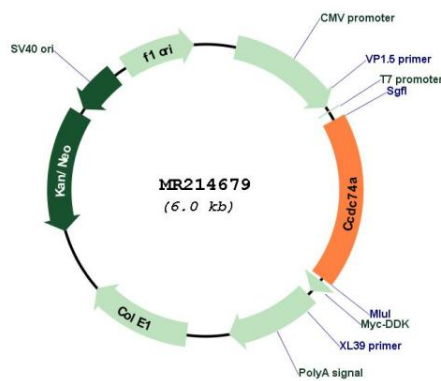
RefSeq ORF: 1095 bp

Locus ID: 72315

Cytogenetics: 16 A3

MW: 39.7 kDa

Product images:



Circular map for MR214679