

## Product datasheet for **MG214679**

### **Ccdc74a (NM\_001166164) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ccdc74a (NM\_001166164) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ccdc74a  
**Synonyms:** 2310015A05Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG214679 representing NM\_001166164  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGGGGCGGGCTGGCGGCCGGGCTCGGCCCTCAGCTCCGCGGCCCCAGGCTCCCGGGGCGCGG  
CCCGCCTACGCCCGCCCTCCCGCGGCTGCAGCACGCGGGGACGAGCCGCTCCGCTCGGGTTCAG  
CGAAGCACAGAAGCGGATCCTGGACCTGAAAAAGAGCCTGCAGTTCCTACAGCAGCAGCACTCGGAGACG  
CTAGTCAAACCTCCACGAGGAGATCGAGCACCTGAAGCGGGAGAATAAGGATCTCCACTACAAGCTAATCA  
TGAAATGAGAAGCCTCAGAAAAAGGCAGCATCTCCACATGGAGCCTTCACTCTGGCAAGTCCGCCTCCAA  
TTCCACGATGTCCGCCAACTCTCAAGGCAAGACCAGGCCCCAGCCAGCTCCTTCAAGAAACAAGAGCTG  
AAGTCTGAAGCCCTCAAAGACAGACCTGGAAGAGCAGTCACTCAGCAGTGTGCCCTGTCCCACAGCA  
GCAAGCTGGACAGAGTCCCTGGGGCTCAGGGACAGGCCAAAGACGAGGATGCAGAGCCCTAATTCAGG  
GGCCACGTTGGTGGGGGCGAGCCATGGCCGGCAAGGGACGGGGATGGCCCCCTTAATGAGCCTGCCCCCG  
CACCTGCGCAAGCCACACAGTGCAGCAGTGTGAGGTGGTTCATCCGTGAGTGTGGAACGCCAACCTCC  
TGCAGGCCAGGAGTACGGCACCTCAAGTCACTCCTGGAAGGGAACCAAGGCCAAAGCTGCAGCTGA  
GGAGGCTGGGCTGGTTCCTCAAAGGACCAGGACACCATGCAGTTTCCAAAGTCACTCCAAGGGCCTT  
AGTAAGAAGTGCTTAATCTGAGCCCAATGCCTGCTGCAGAGCGAGGCATCCTGCCTGCATTGAAACAGA  
GCCTGAAGAACAACCTTTGCTGAGCGGCAGAAAAGGCTGCAAGTAGTACAGAGCCGCGCCTGCACCGCTC  
TGTGCTGCTGAGCCGGCGCCCTGGAGCCGGCCATCCTCTCTCGATAGTGCTCACACCAACCTATTTT  
GCAGCCACACGCAATTCCAAAACAGACAGAACCCACGACAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214679 representing NM\_001166164  
Red=Cloning site Green=Tags(s)

MSGAGLAAGARPLSSAAPGSRGAARLRPRPPAGLQHAGTQPPLGFSEAQKRILDLEKSLQFLQQQHSET  
 LVKLHEEIEHLKRENKDLHYKLIMNEKPQKKGSI<sup>+</sup>STWSLHSGKSASNSTMSANSQGKTRPQPSSFKKQEL  
 KSEALQKTDLEEQSLSSAALSHSKLDRVPGAQQAQKDEDAEPSNSGATLVGGSHGRQGTGMAPLMSLPP  
 HLRKPTTVQQCEVVIRQLWVANLLQAQELRHLKSLLEGNQRPKAAEEAGLGSPKDQDTMQFPKVTSKGL  
 SKKCLILSPMPAAERGIPLALKQSLKNNFAERQKRLQVVQSRRLHRSVLLSRRPGARPSSLDGSHQPYF  
 AATRNKTDRTHDR

TRTRPLE - GFP Tag - V

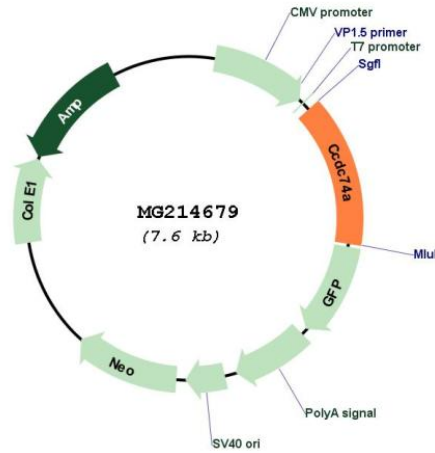
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001166164

<b>ORF Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166164.1</a> , <a href="#">NP_001159636.1</a>
<b>RefSeq Size:</b>	1278 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	72315
<b>Cytogenetics:</b>	16 A3