

## Product datasheet for **MG203657**

### Ccdc3 (NM\_028804) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc3 (NM_028804) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc3
Synonyms:	2310045O21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203657 representing NM_028804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGCCGCTCCCGCTGCTGCTCGCCGCGCTCTGCCTCGCCGCTCCCCGGCGCCCGCGCGCCTGCCAGC  
TGCCGTCGGAGTGGAGACCCTTGAGCGAAGGCTGCCGCGCCGAGCTAGCCGAGACCATCGTGTATGCCAA  
GGTGTGGCGCTGCACCCGAGGTGCCTGGCCTTACAACCTGCCGTGGCAGTACCAAGCTGGAGAG  
GGAGGGCTCTTCTACTCCGCCGAGGTGGAGATGCTGTGTGACCAGGCGTGGGCAGTATGTTGGAGGTGC  
CCGCCGCTCCCGCTCAACCTTACTGGTCTGGGCTACTTCTCCTGCCACTCCACACGGTGGTCCAGGA  
CTACTCTTATTTCTTTGTAAGGATGGATGAGAATTACAATCTTGGCACACGGAGTCAATTTCCAA  
GATGCCATCTTTCCAGACACCCAGGAGAACAGAAGGATGTTTTCCAGCCTTTTCCAGTTTGCTAACTGTT  
CCCAAGGGCAGCAGCTGACGACTTTCTCGAGTGACTGGGAGGTCCAGGAAGACAACAGGCTCATGTGCTC  
CTCGGTGCAGAAGGCCCTGTTTGAGGAAGAGGACCATGTCAAGAAGTGCAGCAGAAGGTGGCCACCCTG  
GAGAAGCGGAACAGGCAGCTCCGAGAGCGGGTCAAGAAGTCAAGAGGTCTCTGAGGCAGGCACGGGAAGA  
ACAGCCGCCACCTGGAGCTGGTGAACAAAACTCAATGAGAAGTAGGGCCTCCAGTGCTCAGCAGCA  
CATTACGCTCTGGCCGGGAGCCCGTGGTGGCCCTATCTGCATGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203657 representing NM\_028804  
 Red=Cloning site Green=Tags(s)

MPLPLLLAALCLAASPAPARACQLPSEWRPLSEGCRALAEITIVYAKVLALHPEVPGLYNYLPWQYQAGE  
 GGLFYSAEVEMLCDQAWGSMLEVPAGSRLNLTGLGYFSCHSHTVVQDYSYFFFVRMDENYNLLPHGVNFQ  
 DAIFPDTQENRRMFSSLFQFANCSQGGQLTTFSSDWEVQEDNRLMCSSVQKALFEEEDHVKKLQKQVATL  
 EKRRNQLRERVKKVKRSLRQARKNSRHLELVNQKLNKLGASSAQQHINALGREPVRAPYLHG

TRTRPLE - GFP Tag - V

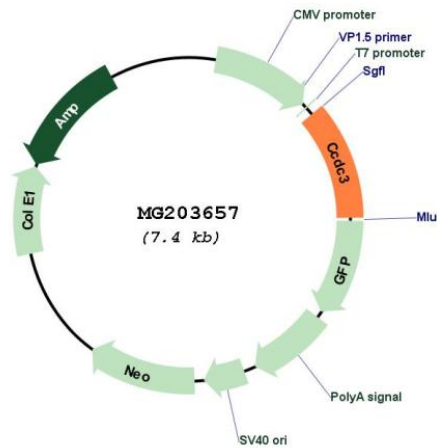
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_028804

**ORF Size:** 819 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_028804.1</a> , <a href="#">NP_083080.1</a>
<b>RefSeq Size:</b>	2769 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	74186
<b>UniProt ID:</b>	<a href="#">Q9D6Y1</a>
<b>Cytogenetics:</b>	2 A1
<b>Gene Summary:</b>	Negatively regulates TNF-alpha-induced pro-inflammatory response in endothelial cells (ECs) via inhibition of TNF-alpha-induced NF-kappaB activation in ECs (By similarity). Positively regulates lipid accumulation in adipose cells (PubMed:25605713).[UniProtKB/Swiss-Prot Function]