

## Product datasheet for **MG203135**

### 2310035K24Rik (BC048399) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 2310035K24Rik (BC048399) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** 2310035K24Rik  
**Synonyms:** 0610038L13Rik; 2310035K24Rik; AW060727; sigma5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203135 representing BC048399  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTCCACGCTTTCCTCATCCACTCTGAGGGCCCCGAATTTGGAAGATACAGGCCTTTCGCCAGTGC  
 TCTATTCCTGTGCTTTGGTGCTGAGAAATCACCCGATGATCCACGGTCACATGGTGCAGAAAGGGACAG  
 GCTCTCCGCAAGGAACAGATTTTGGCAGTGGCCAGACAGGTGGAGTCACTGTGTAGGCTGCAGCAGCAA  
 GCGGCTGGATGTTCTCCACAGACCTTCAGCCTCAGTTCTCAGCTGAACCTGTGTCCCTGCATGAGGCC  
 CTCATGGAGCCTTCCACCTGGCAGCCGGGACCCTTCCAGGAGCCTCGGACAGTCTATGGCTGGGTAT  
 ACTCTCCTTAGGTTTCGCCCTGGTGTGGACACCCATGAGAACCCTGCTGCTGGCTGAGCGCACGCTCCGG  
 CTCTTGGCTCGCCTCCTCTTGACCACCTCCGGCTGCTGACACCAGTTTGTCCAGGATCTGGAGAAGGAA  
 TTCAGTGTGCTTGGCCCCGCTGACCCCTCACCAGACAAAGAGCGAGGGTAAAGGTTGCATACTGCTAGG  
 GGAAGTGTGGCATCTGCCTTTGCCAGCCTGCTCCCTGCTCTGATGTGTGGCCACGCTCAGGACATACG  
 GATTGGCAAGCCCAAGGAAGGACCTGGGTAGAAGGCTGTCTGTGCCTGTCTCAGGCCACTGGAATT  
 GTAAAGTATTCATTGTAGAGCATCTGAAGCTGGAACCGCCCCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203135 representing BC048399  
 Red=Cloning site Green=Tags(s)

MVHAFLIHTLRAPNLEDTGLCRVLYSCVFGAEKSPDDPRSHGAERDRLFRKEQILAVARQVESLRCRLQQQ  
 AAGCSSTDLQPQFSAEPVSLHEAPHGAFHLAAGDPFQEPRTVLWLGILSLGFALVLDTHENLLLAERTLR  
 LLARLLLDHLRLLTPVCPGSGEGIQCC LAPLTPHQTKSEKGCILLGEVWHLPLAQAPACSDVWPRS GHT  
 DWASPKEGTWVEGCLCLSSGHWNCKVFI VEHP EAGTAP

TRTRPLE - GFP Tag - V

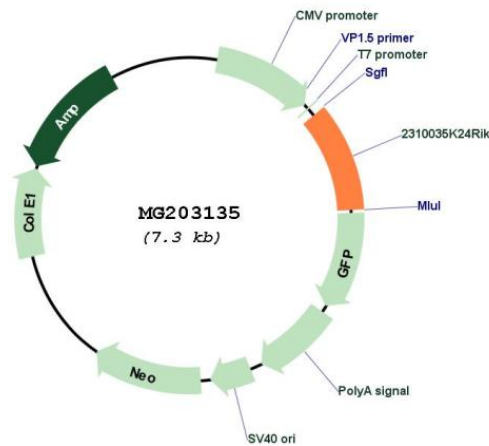
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC048399

**ORF Size:** 746 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="#">BC048399</a> , <a href="#">AAH48399</a>
<b>RefSeq Size:</b>	1568 bp
<b>RefSeq ORF:</b>	746 bp
<b>Locus ID:</b>	69596
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	As part of AP-5, a probable fifth adaptor protein complex it may be involved in endosomal transport.[UniProtKB/Swiss-Prot Function]