

## Product datasheet for **MG220453**

### Ms4a10 (NM\_023529) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ms4a10 (NM_023529) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ms4a10
Synonyms:	2010001N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220453 representing NM_023529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGGCCAAGCTCCACAGCGGTTCCCGGCAGTGTTACTGGAGAAGTCTCACGATGGCAGAACCTAG  
GACCTGCCAGCCTGCACAGAAAGTAGCCAGCCCAAACCTGGTTCAGATGGGCACCTTGAGAAAGC  
CCTGGAGGGAAGTGACCTTCTACAGAAGTTGGGTGGCTTTCACATCGCCATTGCTTTGCACACTTGGCC  
TTTGGTGGCTACTTGATCTCCACAGTCAAGAATCTGCACCTGGTGGTGTGAAGTGTGGTATCCACTCT  
GGGGAAGTGTCTCTTTTCTCGTTGCAGGATGGCGGCCATGACAACAGTGACATTCCTAAGACCTCTCT  
GAAGGTTCTCTGTGTGATAGCCAACGTTATCAGCTTGTCTGCGCACTGGCCGGCTTCTTTGTCATTGCC  
AAGGACCTCTTCCCTGGAGGGTCCCTTTCCATGGCCAATCTGGAGACCATACCCTGAACCCACAACCTACA  
TCCAAAGGCTAGAGCTGACCCTGTTCTGCTTACCTTCCCTGGAGATCTTCTGTGGGGTCCACAGCCAT  
CACAGCCTATAGGATGAAACGCCTGCAAGCAGAGGACAAGGATGACACCCCTTTCATTCTGACACACCT  
ATGGAACCTAAAGGGCTATCGCTGGGGCCACCACCATCTATAAAGATGTGGCCAAGGACACTCCTCCT  
CTGATACTGGCAGAGCCTTGGCCACCAGCTCTGGACTGCTGTGGCCTCTGACTCCTTCCATCAAGCTCT  
GCTTACACGGGCCAAGGACCTTGAGAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220453 representing NM\_023529  
Red=Cloning site Green=Tags(s)

MAGQAPTAVPGSVTGEVSRWQNLGPAQPAQKVAQPQNLVPDGHLEKALEGSDLLQKLGGFHIAIAFAHLA  
 FGGYL ISTVKNLHLVVLKWCWYPLWGTVSFLVAGMAAMTTVTFPKTSLKVLVCVIANVISLFCALAGFFVIA  
 KDLFLEGPPFPWIWRPYPEPTTYIQRLLETLFCFTFLEIFLSGSTAITAYRMKRLQAEDKDDTPFIPDTP  
 MELKGLSLGPPPSYKDVAQGHSSSDTGRALATSSGLLLASDSFHQALLHTGPRTLRLK

TRTRPLE - GFP Tag - V

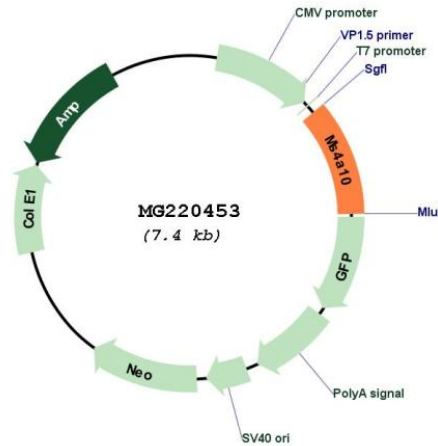
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_023529

**ORF Size:** 801 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_023529.2</a> , <a href="#">NP_076018.2</a>
<b>RefSeq Size:</b>	1038 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	69826
<b>UniProt ID:</b>	<a href="#">Q99N03</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	May be involved in signal transduction as a component of a multimeric receptor complex. [UniProtKB/Swiss-Prot Function]