

## Product datasheet for **MG203463**

### Tmem176b (NM\_023056) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem176b (NM_023056) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem176b
Synonyms:	1810009M01Rik; Clast1; Lr8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203463 representing NM_023056 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCCAGAGCACAGTGACTGTGAATGGAGTCAAAGTGGCCTCCACACATCCCCAGTCCGCTCACATCA  
GCATCCACATCCACAAAAATCTGCTTTGGAGCAGCTGCTGGGAGCTGTGGGCTCCCTGAAGAAGTTTCT  
CTCCTGGCCTCAGGCCAGAATCCACTATGGGCAGCTGTCTCTAGGGGTGACCCAGATATTGCTGGGGCTT  
GTGAGCTGTGCTCTTGGAGTATGTCTCTACTTCGGGCCTTGACTGAGCTGTGCGCCTTTGGCTGTGCTT  
TCTGGTCGGGGTCTGTGGCAATTCTAGCTGGAGTTGGTACTATTGTCCATGAGAAGAGGCAGGGAAA  
GTCCGGCCAGGTATCATGTCTCCTCCTCGCTTGCTTGCATTGCCACAGCTGCAGCTGTACCGTTCTGGGT  
GTGAACAGCTTAATCAGGCAAACAGTGTTCCTACTACGTCGAGATCTTTCCACATGCAACCCCTTGC  
AATCAAGCATGGACCCTGGGTATGGGACAGTGCATACAGTGTGATTGAGACTGGAAGACAGAGAGGTG  
CAGAGGTACCTGAACATGATGATGAACTTGTTCCTAGCGTTCTGCATCATGCTCACAGTGGTCTGTATC  
CTGGAGATTGTTGTCTGTGGCTTCCCTGGGACTAAGTCTCCGAAGTATGTATGGCCGGAGCTCCCAGG  
CCCTGAATGAAGAAGAGTCAGAGAGGAAGCTTCTTGATGGCATCCAGCACCTGCGTCCCCGGCCAAAGA  
GAAGATCCCTGCTATCCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203463 representing NM\_023056  
 Red=Cloning site Green=Tags(s)

MVQSTVTVNGVKVASTHPQSAHISIIHQKSALEQLLGAVGSLKKFLSWPQARIHYGQLSLGVTQILLGL  
 VSCALGVCLYFGPWTELCAFGCAFWSGSVAILAGVGTIVHEKRQKLSGQVSCLLLLACIATAAAATVLG  
 VNLSIRQTSVPYYVEIFSTCNPLQSSMDPGYGTVRYSDDSDWKTERCREYLNMMNLFALFCIMLTVVCI  
 LEIVVSVASLGLSLRSMYGRSSQALNEEESERKLLDGHAPAPASPAKEKIPAIL

TRTRPLE - GFP Tag - V

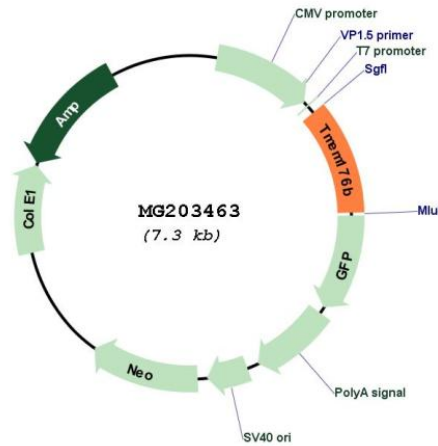
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_023056

**ORF Size:** 1667 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_023056.4</a> , <a href="#">NP_075543.1</a>
<b>RefSeq Size:</b>	1684 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	65963
<b>UniProt ID:</b>	<a href="#">Q9R1Q6</a>
<b>Cytogenetics:</b>	6 23.75 cM
<b>Gene Summary:</b>	May play a role in the process of maturation of dendritic cells (By similarity). Required for the development of cerebellar granule cells.[UniProtKB/Swiss-Prot Function]