

## Product datasheet for **MG206014**

### Marveld3 (BC025851) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marveld3 (BC025851) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Marveld3
Synonyms:	MARVD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206014 representing BC025851 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAAATACTTCGGGGCACCGTGAGCCCCGGACCCGTCCTAGAGAAAGAGACCCGGACCGGGCCCGC  
ACCCGGACCGAGACCACACGTCGAGCGGTTCGCGGGACCGAGGCGGGGACAGGCACAGGGAGAGGAAACGG  
TGACGTGAGAGGAAACGGGGACCGTTCGGCGGGCCGGGAACAGAGAACGGACCGAGACCAGCGCCAGGAC  
AGACACAGGGACCGGGCCATCGCGCATCCGAACAAAGAGCCTTGAGAGAAGTCCCGTCAAAGCCGTGCGC  
GGCCCCAGCCCTGGGGACCCAGTTGGGACGCAGCCCCGACTCCGGGACCCGCACCCTGGGGCCCCCAGA  
GCTGTGCGAGAAGCATGGCCTCGGGCGCCGCGGTTGGAGAGCGAACGGGCTTCGGAAAGATACGTGCC  
ACCTACTCCGTGCCTGCTCTCCAGGAAGAGGAATATTACAGTCGGAAGCGGAGGACTCCTGGATTGCC  
ACAAATGCAGATACTTGTGCACAGGGAGAGGTGTGGTGCAGATAATGGAGGTGATTTTGAATGCCATGGT  
TCTCATATGCATCGTGGCTTCTATTTTGTCTGGCCGGATTCAGCGCCAGCTTTGCCAGCGGCAGCGGC  
TTCGGAATAACTATTACTCACCTTTTGGAGGCACCGAGTTGGAGCAGGTTTCGGCAGCTGGACCAGCAGT  
ACACGATCCTGCGGTGCCCCGATCTACGGCGGCGTGGCTGTCTCCCTGGGGCTGGGCGTCTCACTAT  
GGGCGTTTTACTGCAGGGAGCTAAGAGTTTAAGGAAGCTGCCAGGAGATGGCTGCTGCTGGAGGCCGCC  
TTCAGCCTCCTGGCCGCGTGGGCTACTGCGTCGCCATTGGCTTTTACCTGTATGCGCGGTTGCGCATCA  
ATTCCACCGACACTTGCAAAACCAGAGAAAGAGTTTACGCCCGCAAGGGCCTCACCTGGATGAACTGCCA  
GCTGGCGGGCACCGATGGGGCAGCAGCCACCTTCGCTTGTTTTTAGTGATTTTATACGGCGCCAGCGTG  
GTGATGGCCCTGCGGGCCTACCGAGAACAGAAGCACTACAAGACAGCCAGGAACAACACAGAAATTACC  
GTGATGTTCCAGAATACCTGTGGTCCGGGACGCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206014 representing BC025851  
 Red=Cloning site Green=Tags(s)

```

MKNTSGHREPRTTRPRERDPDRRPHDPDRDHHVRSRDRGGDRHRERNGDVRGNGDRRAGREQRTDRDQRQD
RHRDAGHRASEQRALAKSRQSRARPEPWGPSWDAAPTGPAPWGPPPELSQKHGLGRRGLESERASERYVP
TYSVPALQEEYQSEAEGLLDCHKCRYLCTGRGVVQIMEVILNAMVLICIVASYFVLAGFSASFASGSG
FGNNYSPFEGTELEQVRQLDQQYITILRSPLIYGGVAVSLGLGVLTMGVLLQGAKSLRKLPRRWLLLEAA
FSLLAAGYCVAI GFYLYAALRINSTDTCKTRERVYARKGLTWMNCQLAGTDGAAATFACFLVILYAASV
VMALRAYREQHYKDSQEQRNRYRDVPEYLWSGTL
  
```

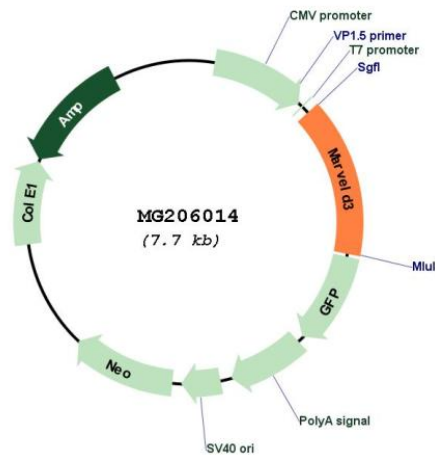
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC025851

<b>ORF Size:</b>	1157 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="#">BC025851</a> , <a href="#">AAH25851</a>
<b>RefSeq Size:</b>	1356 bp
<b>RefSeq ORF:</b>	1157 bp
<b>Locus ID:</b>	73608
<b>Cytogenetics:</b>	8 D3
<b>Gene Summary:</b>	As a component of tight junctions, plays a role in paracellular ion conductivity. [UniProtKB/Swiss-Prot Function]