

## Product datasheet for **MG218052**

### Vsig1 (NM\_030181) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vsig1 (NM_030181) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vsig1
Synonyms:	1700062D20Rik; 4930405J24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218052 representing NM_030181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGTGTTCATTTTGAAGGTCTTTCTGATCTTAACTGCCTTGCAGGTCAGGTCAGTATGGTGC  
AAGTGACCATCCCAGACACTTTTCGTGAATGTGACTGTTGGATCTAATGTTACTCTTCTCTGCCTCTATAC  
CACCACCGAGAAGTCCCTGGAAAAGCTTCAATCAATGGTCTTTCTCCACAATAAGGAAATGGAGGAG  
CCAATATCTATCTACTACTCTGAAGGTGGACAGGCTTCAGCTATTGGCAATTCAAAGACCGAATAATTG  
GGCTACTAATCCCGGTAAATGCATCTATCACCATTGTCATATGCAGCCAGCAGACAGTGAATTTACAT  
CTGTGATGTCAACAATCCTCCAGATTTTGTGGCAAAAACCAAGGCTCCTTGACGTCACTGTCTTAGTC  
AAACCTTCCAAGCCCTTTGTACCATCCAAGGAAGACCAGAAGCAGGCCATCCTATTTCTTGTCTTGCC  
TTTCTGCCTTTGGAACACCGTCTCCTTTGTATTACTGGTATAAGATTGAGGGGAACACCATTGTGCCAGT  
AAAAGAAAGTTTCAACACGGCCACTGGAGTTTTAGTTATTGAAAATCTAACAAATTTTGAACAAGTTAT  
TACCAGTGTACTGCCATCAACAGTCTTGGAATAGTTCCTGTGAAATTGACTTAACGTCTTCACATCCAG  
AAGTTGGGATCATCATCGGAGCTTTGGTCGGTGCCTGATAGGAGCTGCTGTTATCATCTGTGTGGTGA  
CTTTGCCAGGAACAAAGTTAAATCCAAGCAGCAGAAGAATTTAAATCCAGCACAGAACTTGAGCCAATG  
ACAAAGGTACACCATCCCAACAAGTGAAGCAATTTTCAGCTGATGGCGTCCAGTAGAAGGAACCTCTGC  
CATCTTCCATCCATGCTGGCCACAACACCGAACCTACTACTACAGCAGTCTTGGAGCCAGAATATGAGCC  
TAATCCTCCACTGAAAATACCACACAGCCTGACCCTGAACCAGAGGGTTCAGTGCCAGTCTAGCACCT  
GAGGCAGAGATTCAACCACCCAGAGCTGGACCCGGAGACTGAGACAGAGCCTGAGCCTGAGCCTGAGC  
CTAAGCCTGAGCCTGAGCCGGAACCTGAGCTTGAAGCCTGATCCCCAGTCTGGAGTAATAATTGAGCCTCT  
GAGCAAGCGGGAGAGGATACAGTTAAGGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218052 representing NM\_030181  
 Red=Cloning site Green=Tags(s)

MMVFAFWKVFLLNCLAGQVSMVQVTIPDTFVNVTVGSNVTLCLYTTTEKSLEKLSIQSFFHNKEMEE  
 PISIIYYSEGGQASAIGQFKDRIIGATNPGNASITILHMQPADSGIYICDVNNPPDFVGKNQGLLDVTVLV  
 KPSKPFCTIQGRPEAGHPISLSCLSAFGTPSPLYWYKIEGNTIVPVKESFNTATGVLVIGNLTFEQGY  
 YQCTAINSLGNSSCEIDLTSHPVEVGIIIGALVIGALIGAAVVICVVFYFARNKVKSKQQKNLNSSTLEP  
 TKVHHPQQSEAIASADGVQLEGLTLPSSIHAGHNTPTTTAVLEPEYEPNPLETTTQDPPEPEGSVPVLAP  
 EAEIQPHPELDPETETEPPEPEPEPKPEPEPEPELEPDPQSGVIEPLSKAGEDTVKA

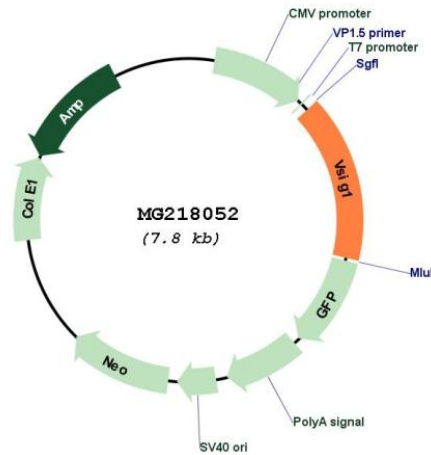
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_030181

<b>ORF Size:</b>	1221 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_030181.3</a> , <a href="#">NP_084457.2</a>
<b>RefSeq Size:</b>	2707 bp
<b>RefSeq ORF:</b>	1224 bp
<b>Locus ID:</b>	78789
<b>Cytogenetics:</b>	X F1