

## Product datasheet for MR218052

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

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Vsig1 (NM_030181) Mouse Tagged ORF Clone                          |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Vsig1   |
| Synonyms:                 | 1700062D20Rik; 4930405J24Rik                                      |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR218052 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGTGTGGCATTGGGAAGGTCTTTCTGATCTTAACTGCCTTGCAGGTCAGGTCAGTATGGTGC  
AAGTGACCATCCCAGACACTTTTCGTGAATGTGACTGTTGGATCTAATGTTACTCTTCTGCCTCTATAC  
CACCACCGAGAAGTCCCTGGAAAAGCTTCAATCAATGGTCTTTCTCCACAATAAGGAAATGGAGGAG  
CCAATATCTACTACTCTGAAGGTGGACAGGCTTCAGCTATTGGCAATTCAAAGACCGAATAATTG  
GGGCTACTAATCCCGGTAAATGCATCTATCACCATTGTCATATGCAGCCAGCAGACAGTGAATTTACAT  
CTGTGATGTCAACAATCCTCCAGATTTTGTGGCAAAAACCAAGGCTCCTTGACGTCACTGTCTTAGTC  
AAACCTTCCAAGCCCTTTGTACCATCCAAGGAAGACCAGAAGCAGGCCATCCTATTTCTGTCTTGCC  
TTTCTGCCTTTGGAACACCGTCTCCTTTGTATTACTGGTATAAGATTGAGGGGAACACCATTGTGCCAGT  
AAAAGAAAGTTTCAACACGGCCACTGGAGTTTTAGTTATTGGAATCTAACAAATTTTGAACAAGTTAT  
TACCAGTGTACTGCCATCAACAGTCTTGCAATAGTTCCTGTGAAATTGACTTAACGTCTTCACATCCAG  
AAGTTGGGATCATCATCGGAGCTTTGGTCGGTGCCTGATAGGAGCTGCTGTTATCATCTGTGTGGTGTA  
CTTTGCCAGGAACAAAGTTAAATCCAAGCAGCAGAAGAATTTAAATCCAGCACAGAACTTGAGCCAATG  
ACAAAGGTACACCATCCCACAAAGTGAAGCAATTTTCAGCTGATGGCGTCCAGTAGAAGGAACCTCTGC  
CATCTTCCATCCATGCTGGCCACAACACCGAACCTACTACTACAGCAGTCTTGGAGCCAGAATATGAGCC  
TAATCCTCCACTGAAAATACCACACAGCCTGACCCTGAACCAGAGGGTTCAGTGCCAGTCTAGCACCT  
GAGGCAGAGATTCAACCACCCAGAGCTGGACCCGGAGACTGAGACAGAGCCTGAGCCTGAGCCTGAGC  
CTAAGCCTGAGCCTGAGCCGGAACCTGAGCTTGAAGCCTGATCCCCAGTCTGGAGTAATAATTGAGCCTCT  
GAGCAAGGCGGGAGAGGATACAGTTAAGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218052 protein sequence  
 Red=Cloning site Green=Tags(s)

MMVF~~AFWKVFLILNCLAGQVSMVQVTIPDTFVNVTVGSNVTLCLYTTTEKSLEKLSIQWSFFHNKEMEE~~  
 PISIIYYSEGGQASAIGQFKDRIIGATNPGNASITILHMQPADSGIYICDVNNPPDFVGNQGLLDVTVLV  
 KPSKPFCTIQGRPEAGHPISLSCLSAFGTPSPLYWYWKIEGNTIVPVKESFNTATGVLVIGNLTNFEQGY  
 YQCTAINSLGNSSCEIDLTSHPVEVGIIIGALVIGALIGAAVVICVVYFARNKVKSKQQKNLNSSTELEPM  
 TKVHHPQQSEAI~~SADGVQLEGLTPSSIHAGHNTEPTTTAVLEPEYEPNPLETTTQDPPEPEGSVPVLAP~~  
 EAEIQPHPELDPETETEPPEPEPEPKPEPEPEPELEPDPQSGVIEPLSKAGEDTVKA

TRTRPLE~~QKLISEEDLAANDILDYKDDDDKV~~

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_030181

**ORF Size:** 1224 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** NM\_030181.3, NP\_084457.2

**RefSeq Size:** 2707 bp

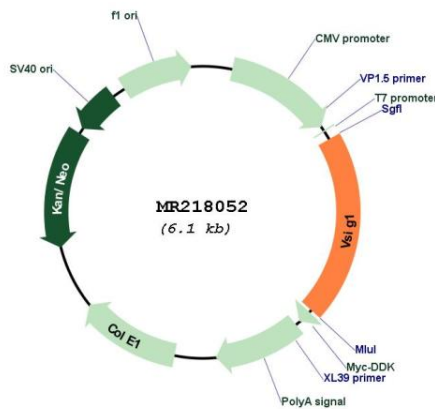
**RefSeq ORF:** 1224 bp

**Locus ID:** 78789

**Cytogenetics:** X F1

**MW:** 44 kDa

**Product images:**



Circular map for MR218052