

## Product datasheet for MC211478

### Vsir (NM\_028732) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vsir (NM_028732) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vsir
Synonyms:	4632428N05Rik; Dies1; PD-1H; VISTA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211478 representing NM_028732 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGTCCCCGCGGTCCCAGAGGCCAGCAGCCCGCGCTGGGGAACCCTGCTCCTTGCTATTTTCCTGG  
CTGCATCCAGAGGTCTGGTAGCAGCCTTCAAGGTCACCACTCCATATTCTCTATGTGTGTCCCGAGGG  
ACAGAATGCCACCCTCACCTGCAGGATTCTGGGCCCGTGTCAAAGGGCAGCATGTGACCATCTACAAG  
ACGTGGTACCTCAGCTCACGAGGCGAGGTCCAGATGTGCAAAGAACCAGGCCCATACGCAACTTCACAT  
TGCAGCACCTTCAGCACCGGAAGCCACTGAAAGCCAACGCCAGCCATGACCAGCCCCAGAAGCATGG  
GCTAGAGCTAGCTTCTGACCACCACGGTAACTTCTCTATCACCTGCGCAATGTGACCCCAAGGGACAGC  
GGCCTCTACTGCTGTCTAGTGATAGAATTAACCAACCAACCCAGAACAACGGTTCTACGGTCCATGG  
AGCTACAGGTACAGGCAGGCAAAGGCTCGGGTCCACATGCATGGCGTCTAATGAGCAGGACAGTGACAG  
CATCACGGCTGCGGCCCTGGCCACCGCGCCTGCATCGTGGGAATCCTCTGCCTCCCCCTTATCCTGCTG  
CTGGTCTATAAGCAGAGACAGGTGGCCTCTCACCGCGTCCCCAGGAGTTGGTGAGGATGGACAGCAGCA  
ACACCAAGGAATCGAAAACCCAGGCTTCGAGACCACTCCACCCTCCAGGGGATGCCTGAGGCCAAGAC  
CAGGCCGCCACTGTCTATGTGGCCAGCGGCAACCTTCGGAGTCAGGACGGTACCTGCTCTGACCCC  
AGCACCTCTGTGCGCTCCAGGCCCTGGGACGTCTTTTCCCATCCCTAGATCCAGTCCCTGACTCCC  
CTAACTCTGAAGCCATC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2172\\_c09.zip](https://cdn.origene.com/chromatograms/ja2172_c09.zip)

Restriction Sites: Sgfl-Mlul



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<b>ACCN:</b>	NM_028732
<b>Insert Size:</b>	930 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_028732.4</a> , <a href="#">NP_083008.1</a>
<b>RefSeq Size:</b>	4846 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	74048
<b>UniProt ID:</b>	<a href="#">Q9D659</a>
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	<p>Immunoregulatory receptor which inhibits the T-cell response (PubMed:21383057, PubMed:24743150, PubMed:25267631). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (PubMed:20042595). May stimulate MMP14-mediated MMP2 activation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>