

## Product datasheet for MC209630

### Vax1 (NM\_009501) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vax1 (NM_009501) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vax1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_009501.1 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTTCGGGAAACCAGACAAAATGGACGTCCGGTGCCACTCGGACACCGAGGCCGCCAGGGTCTCGAAGA  
 ACGCGCACAAAGGAGAGCCGGGAGATCAAGGCGCCGAGGGGAGCCTTCCGGCCGCCTTCTCAAGGAGCC  
 GCAGGGCGCCTTTTCCGGGTCTGGCGCTTCGGAAGATTGTAACAAAAGTAAATCCAATTCCTCAGCGGAC  
 CCAGATTACTGTCGCCGATCCTAGTCCGAGATGCCAAGGGTCTATCCGAGAAATCATCCTGCCAAAG  
 GCTTGGATCTGGACCGGCCAAGAGGACTCGCACGTCTTCACCGCGGAGCAGCTCTACAGGCTGGAGAT  
 GGAGTTCCAGCGTTGCCAATACGTGGTGGGCCGGGAGAGAACCAGCTGGCTCGGCAGCTCAATCTCTCT  
 GAGACCCAGGTGAAGGTCTGGTTCAGAATCGGCGGACTAAGCAGAAGAAGGACCAGGGCAAGGACTCGG  
 AGCTGCGCTCGGTGGTGTGGAGACCGCCGACGTGCAGCGTGTGCGGCTCTTGGAGCAAGGCCGCT  
 GTTGTGCGCTCCCGGGCTGCCCGCCTTGCTGCCGCCCTGTGCCACTGGCGCTCTAGGCTCGGCGTTGCGC  
 GGGCCAGCCTCCCGGCCCTGGGTGCAGGCGTGCAGCGGGCTCCGCGCTGCCGCCGCGCTGCCGCCG  
 CCGCCACTGCCCCGGTCCCGCAGGCGCGGCGTCCAGCACCAGCCGGCGTGGGCGGCGCTCCCGGCC  
 AGGGCTGCAGGGCCGGGAGGACTGCACGCGGGAGCACCAGTCCAGCCACGGTCTCTTACGCTGCCG  
 GTGCCGTGCTAGGCTCTGTGCCAGCGCCTGTCTCCGCCCGTTGACGATGGCTGGTTCGCTAG  
 CCGGAATTTGCAAGAACTCTCAGCCCGTTACCTGAGCTCCTCGGCCTTCGAGCCTTACTCCCGACCAA  
 CAATAAGAAGGGCCGAGAAAAAGCGCTGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1329\\_a03.zip](https://cdn.origene.com/chromatograms/ja1329_a03.zip)

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_009501
<b>Insert Size:</b>	1017 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_009501.1</a> , <a href="#">NP_033527.1</a>
<b>RefSeq Size:</b>	1017 bp
<b>RefSeq ORF:</b>	1017 bp
<b>Locus ID:</b>	22326
<b>UniProt ID:</b>	<a href="#">Q2NKL2</a>
<b>Cytogenetics:</b>	19 54.61 cM
<b>Gene Summary:</b>	This gene encodes a member of the EMX homeobox protein family. The encoded protein functions as a transcription factor which is important in the development of anterior ventral forebrain and visual system. Disruption of this gene causes impairment in the developing forebrain, where the encoded protein is necessary for axon guidance and major tract formation. [provided by RefSeq, Dec 2015]