

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
 GCCCGATCGCC

ATGTTTCGGGAAACCAGACAAAATGGACGTCCGGTGCCACTCGGACACCGAGGCCGCCAGGGTCTCGAAGA
 ACGCGCACAAAGGAGAGCCGGGAGATCAAGGGCGCCGAGGGGAGCCTTCCGGCCGCCTTCTCAAGGAGCC
 GCAGGGCGCCTTTTCCGGGTCTGGCGCTTCGGAAGATTGTAACAAAAGTAAATCCAATTCCTCAGCGGAC
 CCAGATTACTGTCGCGGATCCTAGTCCGAGATGCCAAGGGTCTATCCGAGAAATCATCCTGCCCAAAG
 GCTTGGATCTGGACCGGCCAAGAGGACTCGCACGTCTTACCAGCGGAGCAGCTCTACAGGCTGGAGAT
 GGAGTTCAGCGTTGCCAATACGTGGTGGCCGGGAGAGAACCAGACTGGCTCGGCAGCTCAATCTCTCT
 GAGACCCAGGTGAAGGTCTGTTCCAGAATCGGCGGACTAAGCAGAAGAAGGACCAGGGCAAGGACTCGG
 AGCTGCGCTCGGTGGTGTGCGGAGACCGCCACGTGCAGCGTGTGCGGCTCTTGGAGCAAGGCCGCCT
 GTTGTGCGCTCCCGGGCTGCCGCCTTGTGCGCCCTGTGCCACTGGCGCTCTAGGCTCGGCGTTGCGC
 GGGCCAGCCTCCCGCCCTGGGTGCAGGCGTCCCGCGGGCTCCGCGCTGCCGCCCGCTGCCGCC
 CCGCCACTGCCCCGGTCCCGCAGGCGCGGCTCCAGCACCAGCCGGCTGGGCGGCGCTCCCGGCC
 AGGGCTGCAGGGCCGGGAGGACTGCACGCGGAGCACCAGTCCAGCCACGGTCTCTTACGCTGCCG
 GTGCCGTGCTAGGCTCTGTGCGCCAGCCGCTGTCTCCGCCCGTTGACGATGGCTGGTTCGCTAG
 CCGGGAATTTGCAAGAACTCTCAGCCCGTTACCTGAGCTCCTCGGCCTTCGAGCCTTACTCCCGACCAA
 CAATAAAGAAGGGCCGAGAAAAAGCGCTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1329_a03.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_009501
Insert Size:	1017 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	<ol style="list-style-type: none"> 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_009501.1 , NP_033527.1
RefSeq Size:	1017 bp
RefSeq ORF:	1017 bp
Locus ID:	22326
UniProt ID:	Q2NKI2
Cytogenetics:	19 54.61 cM
Gene Summary:	<p>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]</p>