

Product datasheet for **SC318830**

VAX1 (NM_001112704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAX1 (NM_001112704) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAX1
Synonyms:	MCOPS11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001112704 edited
 ATGTTTCGGGAAACCAGACAAAATGGACGTTTCGATGCCACTCGGACGCCGAGGCTGCCCGG
 GTCTCGAAGAACCGCGACAAGGAGAGTCGGGAGAGCAAGGGCGCGGAGGGGAACCTCCCA
 GCCGCCTTCTCAAGGAGCCGACAGGCGCCTTCTCAGCGTCGGGCGCTGCTGAGGATTGT
 AACAAAAGTAAATCCAATTCCGCAGCGGACCCGGATTACTGCCGCGGATCCTGGTCCGA
 GATGCCAAGGGTCCATCCGAGAGATCATCCTGCCAAGGGCCTGGACTTGGACCGCCT
 AAGAGGACCGCGACGTCCTTACCCGCGAGCAGCTCTATCGGCTGGAGATGGAGTTCCAG
 CGCTGCCAGTACGTGGTGGGCCGCGAGAGGACCGAGCTCGCCCGGACGTTAACCTCTCC
 GAGACCCAGGTGAAGGTCTGGTCCAGAACCGGCGACCAAGCAGAAGAAGGACCGGGC
 AAGGACTCGGAGTACGCTCGGTGGTGTGCGAGACCGCGCCACGTGCAGCGTGTACGG
 CTGCTGGAGCAGGGCCGCTGTTGTGCGCGCCCGCCTGCCTGCGCTGCTGCCGCTTGC
 GCCACGGGCGCTCTCGGCTCAGCGCTGCGCGGGCCAGCTTGCCGCGCCTGGGCGCGGGC
 GCCGCTGCAGGCTCGGCCGCCGACCGCGCCGCCCGCCCGGGCCAGCGGGCGCTGCA
 TCCCCGCACCCGCGGCTGTGGGCGGTGCTCCAGGTCCCAGGCCCCCGGGCCCGGGGGGA
 TTGACGCGAGGCGCCCGGCCGCGGGCCACAGCCTCTTACGCTGCCGTTGCCCTCGCTG
 CTCGGCTCCGTCGCCAGCCGCTGTCTCCGCCCGTTAAACAATGGCTGGTTGCTAGCT
 GGGAAATTTGCAAGAACTCTCCGCCGATATCTGAGCTCCTCGGCTTCGAGCCTTACTCC
 CGGACCAACAATAAAGAAGGGCCGAGAAAAAAGCGCTGGACTGA

Restriction Sites:	Please inquire
ACCN:	NM_001112704
Insert Size:	1000 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001112704.1</u> , <u>NP_001106175.1</u>
RefSeq Size:	1968 bp
RefSeq ORF:	1005 bp
Locus ID:	11023
UniProt ID:	<u>Q5SQQ9</u>
Cytogenetics:	10q25.3
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a homeo-domain containing protein from a class of homeobox transcription factors which are conserved in vertebrates. Genes of this family are involved in the regulation of body development and morphogenesis. The most conserved genes, called HOX genes are found in special gene clusters. This gene belongs to the VAX subfamily and lies in the vicinity of the EMX homeobox gene family. Another member of VAX family is located on chromosome 2. The encoded protein may play an important role in the development of anterior ventral forebrain and visual system. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by orthologous data.</p>