

Product datasheet for **SC122787**

VAX2 (NM_012476) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAX2 (NM_012476) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAX2
Synonyms:	DRES93
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012476 edited

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GGTCAGCATGGGCGATGGGGGCGCCGAGCGCGACCGGGGCCCCGCGCGCCGGGCGGAGTC
TGGTGGCGGCGGTGGGCGCTGCGGAGACCGCAGCGGAGCGGGGACTTGCGAGCTGATGG
CGGTGGCCACAGCCCAACGGAGGTGGCCGGGACCTCAGCCTCCAGTCCCGCAGGCTCCAG
GGAGAGTGGAGCCGACAGCGACGGGCGAGCCGGGCCCCGGCGAGGCGAGCACTGCCGCCG
CATACTGGTGCAGATGCCAAAGGGACAATTCGGGAAATTGCTCTGCCTAAGGGCCTGGA
CCTGGACCGGCCAAGCGGACACGTACATCCTTCACTGCCGAGCAGCTGTACCGCCTGGA
GATGGAGTTCCAGCGCTGCCAGTATGTGGTGGGCCGCGAGCGCACTGAGCTGGCCGCCA
GCTGAACCTCTCCGAGACCCAGGTGAAGGTCTGGTTCCAGAACCGCCGCACCAAGCAGAA
GAAAGACCAGAGCAGAGACCTGGAGAAGCGGGCGTCTCCTCAGCCTCCGAGGCCTTTGC
CACCTCCAACATTCTGCGGCTGCTGGAGCAGGGCCGGCTGCTCTCTGTGCCAGGGCCCC
TAGCCTCCTGGCGCTGACCCCTAGCCTGCCAGGCCTACCTGCCAGCCACAGGGGCACCTC
CTTAGGTGACCCAGGAACTCCTCCCCACGCCTCAACCCGCTGTCTCGGCCTCAGCGTC
CCCCCACTGCCGCCCTCTGCCAGCTGTCTGCTTTTCTCGGCCCCGCTCCTGGATCT
GCCTGCCGGCTACGAACTGGGTTCTCGGCCTTCGAGCCATACAGCTGGCTAGAACGGAA
AGTGGGCAGCGCCAGCAGCTGCAAGAAAGCTAACACTTAAGACTCCCACCCTGTGACACT
GAGTCCCAGCACAGCACCTTCCAGTCTCCTGTGCCCGAGCGGACAGCACTGAGCAGGC
CCCGACAGGAGGGGCTGCAGCCACACACTCTTCCCCACCTGCCCCCAGCTCAGAGACT
CGTGACCAAATGGCCTTGGTCCCGCAGCTTGTGTGCGTGAGTGCACTGTGAGTGTGTGTG
TCTCTCACTGAAATAAAAGGAAAACAATGACAAGAAGGAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012476 unedited NNAAATACAGTACAGAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGG GGTCAGCATGGGCGATGGGGGCGCCGAGCGCGACCGGGGCCCCGCGCGCCGGGCGGAGTC TGGTGGCGGCGGTGGGCGCTGCGGAGACCGCAGCGGAGCGGGGACTTGCAGCTGATGG CGGTGGCCACAGCCCAACGGAGGTGGCCGGGACCTCAGCCTCCAGTCCCGCAGGCTCCAG GGAGAGTGGAGCCGACAGCGACGGGACGCCGGGCCCGCGAGGCAGACCACTGCCGCCG CATACTGGTGGGAGATGCCAAAGGGACAATTCCGGGAAATTGTCTGCCTAAGGGCCTGGA CCTGGACCGGCCAAGCGGACACGTACATCCTTCACTGCCGAGCAGCTGTACCGCCTGGA GATGGAGTTCCAGCGCTGCCAGTATGTGGTGGGCCGCGAGCGCACTGAGCTGGCCCGCCA GCTGAACCTCTCCGAGACCCAGGTGAAGGTCTGGTTCCAGAACC GCCGACCAAGCAGAA GAAAGACCAGAGCAGAGACCTGGAGAAGCGGGCGTCTCTCAGCCTCCGAGGCCTTTGC CACCTCCAACATTCTGCGGCTGCTGGAGCAGGGCCGGCTGCTCTGTGCCAGGGCCCC TAGCCTCTGGCGCTGACCCCTAGCCTGCCAGGCCTACCTGCCAGCCACAGGGGCACCTC CTTAGGTGACCCAGGAATTCTCCACGCCTCAACCCGCTGTCTCGGCCTCAGCGTC CCCCCACTGCCGCCCTCTGCCAGCTGTCTGCTTTTCTCGGCCCCGGTCTTGATCT GCCTGCCGGCTACCAACTGGGTTCTCGGCCTTCAACCAACAGCTGG
Restriction Sites:	Please inquire
ACCN:	NM_012476
Insert Size:	1149 bp
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).
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_012476.1 , NP_036608.1
RefSeq Size:	1164 bp
RefSeq ORF:	873 bp
Locus ID:	25806
UniProt ID:	Q9UIW0
Cytogenetics:	2p13.3
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a homeobox protein and is almost exclusively expressed in the ventral portion of the retina during development. In mouse studies, this gene was found to be required for the correct formation of the optic fissure and other aspects of retinal development. [provided by RefSeq, Sep 2008]