

Product datasheet for **SC309099**

WVOX (NM_130790) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WVOX (NM_130790) Human Untagged Clone
Tag:	Tag Free
Symbol:	WVOX
Synonyms:	FOR, WOX1, FRA16D, HHCMA56, PRO0128, WVOX v8, D16S432E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_130790 edited
GAGTGAGTTCCTGAGCGAGTGGACCCGGCAGCGGGCGATAGGGGGGCCAGGTGCCTCCAC
AGTCAGCCATGGCAGCGCTGCGCTACGCGGGGCTGGACGACACGGACAGTGAGGACGAGC
TGCTCCGGGCTGGGAGGAGAGAACCACCAAGGACGGCTGGGTTTACTACGCCAATCACAC
CCGAGGAGAAGACTCAGTGGGAACATCCAAAACTGGAAAAAGAAAACGAGTGGCAGGAG
ATTTGCCATACGGATGGGAACAAGAACTGATGAGAACGGACAAGTGTTTTTTTGTTGACC
ATATAAATAAAGAACCACCTACTTGGACCCAAGACTGGCGTTTACTGTGGATGATAATC
CGACCAAGCCAACCACCCGGCAAAGATACGACGGCAGCACCCTGCCATGGAAATTCTCC
AGGGCCGGGATTTCACTGGCAAAGTGGTTGTGGTCACTGGAGCTAATTCAGGAATAGCAA
CAGGGAGCTGCCACCACCGTGTACTGTGCTGCTGTCCAGAACTGGAGGGTCTGGGAGGG
ATGTACTTCAACAACCTGCTGCCGCTGCATGCCCTCACCAGAAGCTCAGAGCGAAGAGACG
GCCCGGACCCCTGTGGGCGCTCAGCGAGAGGCTGATCCAAGAACGGCTTGGCAGCCAGTCC
GGCTAAGTGGAGCTCAGAGCGGATGGGCACACACCCCGCCCTGTGTGTGTCCTCCACG
CAAGTGCCAGGGCTGGGCCCCCTTCCAAATGTCCCTCCAACACAGATCCGCAAGAGTAAAG
GAAATAAGAGCATTACAAACAGAGTGAAAAATCTTAAGTACCAATGGGAAGCAGGGAAATT
CCTGGGGTAAAGTATCACTTTTCTGGGGCTGGGCTAGGCATAGGTCTCTTTGCTTTCTGG
TGGTGGCCTGTTTGAAGTAAAAACCTGGTTGGCGTGTAGGTTCCGTATCTCCCTGGAAA
AGCACCAGCAATTCTCTTTTACTGTTATAGAATAGCCTGAGGTCCCCTC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_130790 unedited GTCAAAATTTGTATACGACTCATATAGGCGGCCGCGNAATCAAATCTGGTACCGAGCTCG GATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTGAGTGAGTTCCTGAGCGA GTGGACCCGGCAGCGGGCGATAGGGGGGCCAGGTGCCTCCACAGTCAGCCATGGCAGCGC TGCGCTACGCGGGGCTGGACGACACGGACAGTGAAGACGAGCTGCCTCCGGGCTGGGAGG AGAGAACCACCAAGGACGGCTGGGTTTACTACGCCAATCACACCGAGGAGAAGACTCAGT GGGAACATCCAAAACTGGAAAAAGAAAACGAGTGGCAGGAGATTGCCATACGGATGGG AACAAAGAAACTGATGAGAACGGACAAGTGTTTTTGTTGACCATAAAATAAAAGAACCA CCTACTTGGACCCAAGACTGGCGTTTACTGTGGATGATAATCCGACCAAGCCAACCACCC GGCAAAGATACGACGGCAGCACCCTGCCATGGAAATTCTCCAGGGCCGGGATTTCACTG GCAAAGTGGTTGTGGTCACTGGAGCTAATTCAGGAATAGCAACAGGGAGCTGCCACCACC GTGTACTGTGCTGCTGTCCAGAAGCTGGAGGGTCTGGGAGGGATGACTTCAACAAGTGC TGCCGCTGCATGCCCTCACCAGAAGCTCAGAGCGAAGAGACGGCCCGGACCCTGTGGGCG CTCAGCGAGAGGCTGATCCAAGAACGGCTTGGCAGCCAGTCCGGCTAAGTGGAGCTCAGA GCGGATGGGCACACACCCGCCCTGTGTGTGCCCTCACGCAAGTGCCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_130790 unedited CCATGGNGATGGCACTTCCAGGNCCAGGNANAGCACTGGGGNAGGGTCACAGGGATGCCA CCCGGGATCTGTTAGGAAACAGCTATGACCGCGCCGCAATCTAGATGCATGCTCGAGC GGCCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTCGAGGGGACCTCAGGCTATTCT ATAACAGTAAAAGAAAGAGAATTGCTGGTGTTCAGGGGAGATACGGAACCTACACGC CAACCAGGTTTTTACTTTCAAACAGGCCACCACCAGAAAGCAAAGAGACCTATGCCTAGC CCAGCCCCAGAAAAGTGATACTTTACCCAGGAATTCCTGCTTCCCATTGGTACTTAAG ATTTTTACTCTGTTGTGAATGCTTATTTCTTTACTCTTGCGGATCTGTGTTGGAGG GACATTTGGAAGGGGCCAGCCCTGGCACTTGCCTGAGGGGACACACAGGGCGGGTGT GTGTGCCCATCCGCTCTGAGCTCCACTTAGCCGGACTGGCTGCCAAGCCGTTCTTGGATC AGCCTCTCGTGAGCGCCACAGGGTCCGGGCCGTCTCTTCGCTCTGAGCTTCTGGTGAG GGCATGCAGCGGCAGCAGTTGTTGAAGTACATCCCTCCAGACCTCCAGTTCTGGGACA GCAGCACAGTACACGGTGGTGGCAGCTCCCTGTTGCTATTCCTGAATTAGCTCCAGTGAC CACAACCACTTTGCCAGTGAAATCCCGGCCCTGGANAAATCCATGGCAGTGGTGTGCC GTCGTATCTTTGCCCGGTGGTTGGGCTTGGTCCGATTATCATCCACCAGTAACGCCCACT CTTGGTCCCAAGTAGTGGGTTCTTTATTTATATGGGTAC</p>
Restriction Sites:	Please inquire
ACCN:	NM_130790
Insert Size:	1000 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_130790.1](#), [NP_570606.1](#)

RefSeq Size: 1617 bp

RefSeq ORF: 1617 bp

Locus ID: 51741

Cytogenetics: 16q23.1-q23.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. This gene spans the FRA16D common chromosomal fragile site and appears to function as a tumor suppressor gene. Expression of the encoded protein is able to induce apoptosis, while defects in this gene are associated with multiple types of cancer. Disruption of this gene is also associated with autosomal recessive spinocerebellar ataxia 12. Disruption of a similar gene in mouse results in impaired steroidogenesis, additionally suggesting a metabolic function for the protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Transcript Variant: This variant (3) lacks a 647 nt fragment in the middle part of the coding region, as compared to variant 1. The absence of the internal fragment shifts the reading frame and results in a smaller isoform (3) which lacks the SRD region and has a different C-terminus from that of isoform 1.