

Product datasheet for **SC110463**

WWOX (NM_130791) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WWOX (NM_130791) Human Untagged Clone
Tag:	Tag Free
Symbol:	WWOX
Synonyms:	D16S432E; DEE28; EIEE28; FOR; FRA16D; HHCMA56; PRO0128; SCAR12; SDR41C1; WOX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130791, the custom clone sequence may differ by one or more nucleotides

ATGGCAGCGCTGCGCTACGCGGGGCTGGACGACACGGACAGTGAGGACGAGCTGCCTCCGGGCTGGGAGG
 AGAGAACCACCAAGGACGGCTGGGTTTACTACGCCAATCACACCGAGGAGAAGACTCAGTGGGAACATCC
 AAAAAGTGGAAAAAGAAAACGAGTGGCAGGAGATTTGCCATACGGATGGGAACAAGAACTGATGAGAAC
 GGACAAGTGTGTTTTGTTGACCATATAAATAAAGAACCACCTACTTGGACCAAGACTGGCGTTTACTG
 TGGATGATAATCCGACCAAGCCAACCACCGGCAAGATACGACGGCAGCACCCTGCCATGGAAATTCT
 CCAGGGCCGGGATTTCACTGGCAAAGTGGTTGTGGTCACTGGAGCTAATTCAGGAATAGGGTTCGAAACC
 GCCAAGTCTTTGCCCTCCATGGTGCACATGTGATCTTGGCCTGCAGGAACATGGCAAGGGCGAGTGAAG
 CAGTGTCACGCATTTTAGAAGAATGAAAAACAAATACCACCCTCGCCAGAAAAGTGCAGAATAAAAAAT
 TTCCACTAG


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_130791 unedited <pre> GGAATTTGTAATACGACTCACTATAGGGCGGCCGCGACATCGGCACGAGGTGAGTTCCTG AGCGAGTGGACCCGGCAGCGGGCGATAGGGGGGCCAGGTGCCTCCACAGTTAGCCATGGC AGCGCTGCGCTACGCGGGGCTGGACGACACGGACAGTGAGGACGAGCTGCCTCCGGGCTG GGAGGAAAGAACCACCAAGGACGGCTGGGTTTACTACGCCAATCACACCGAGGAGAAGAC TCAGTGGGAACATCCAAAACTGGAAAAAGAAAACGAGTGGCAGGAGATTGCCATACGG ATGGGAACAAGAACTGATGAGAACGGACAAGTGTGTTTTGTTGACCATATAAATAAAAG AACCACTACTTGGACCCAAGACTGGCGTTTACTGTGGATGATAATCCGACCAAGCCAAC CACCCGGCAAAGAATACGAACGGCAGCACCACTGCCATGGAAATTCTCCAGGGCCGGGAT TTCAGTGGCAAAGTGGTTGTGGTCACTGGAGCTAATTCAGGAATAGGGTTCGAAACCGCC AAGTCTTTTGCCTCCATGGTGACATGTGATCTTGGCCTGCAGGAACATGGCAAGGGCG AGTGAAGCAGTGTACGCATTTTAGAAGAATGGCATAAAGCCAAGGTAGAAGCAATGACC CTGGACCTCGCTCTGCNTCGTAGCGTGCAGCATNTGCTGAAGCATTCAAGCCAAGAATG TGCTCTTCATGTGCTTGTGTGAACGCAGCAACTTTGCTCTACCTGGAGTCTCACCA AGATGGCCTGNAGAACACCTTTTCAGTGAATCATCTGGNGCACTTCTACCTTGTCAGCT CTNCAGAAATGNNTTGTGCGCTCACTCTGCCGTGTCATTGGGNCCTCTCAATCCATCGAT TACAGATATAACGACTCTTGAAAATGGNACTCATCGCTCTCTCAAAAAACATATGGNCG ATGCTGCTATACAGTCAGCTTGACATCTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_130791
Insert Size:	2550 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_130791.1 , NP_570607.1
RefSeq Size:	735 bp
RefSeq ORF:	570 bp
Locus ID:	51741
UniProt ID:	Q9NZC7
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 (2) lacks several exons and uses an alternate 3'-terminal exon, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.