

Product datasheet for RC212195

WWOX (NM_130791) Human Tagged ORF Clone

Product data:

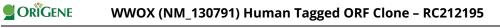
OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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Product Type:	Expression Plasmids
Product Name:	WWOX (NM_130791) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WWOX
Synonyms:	D16S432E; DEE28; EIEE28; FOR; FRA16D; HHCMA56; PRO0128; SCAR12; SDR41C1; WOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC212195 representing NM_130791 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCAGCGCTGCGCTACGCGGGGCTGGACCGCACACGGACAGTGAGGACGAGCTGCCTCCGGGCTGGGAGG AGAGAACCACCAAGGACGGCTGGGTTTACTACGCCAATCACACCGAGGAGAAGACTCAGTGGGAACATCC AAAAACTGGAAAAAGAAAACGAGTGGCAGGAGATTTGCCATACGGATGGGAACAAGAAACTGATGAGAAC GGACAAGTGTTTTTTGTTGACCATATAAATAAAAGAACCACCACCTACTTGGACCCAAGACTGGCGTTTACTG TGGATGATAATCCGACCAAGCCAACCACCCGGCAAAGATACGACGGCAGCACCACTGCCATGGAAATTCT CCAGGGCCGGGATTTCACTGGCAAAGTGGTTGTGGTCACTGGAGCTAATTCAGGAATAGGGTTCGAAACC GCCAAGTCTTTTGCCCTCCATGGTGCACATGTGATCTTGGCCTGCAGGAACATGGCCAGGCAGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC212195 representing NM_130791 Red=Cloning site Green=Tags(s)
	MAALRYAGLDDTDSEDELPPGWEERTTKDGWVYYANHTEEKTQWEHPKTGKRKRVAGDLPYGWEQETDEN GQVFFVDHINKRTTYLDPRLAFTVDDNPTKPTTRQRYDGSTTAMEILQGRDFTGKVVVVTGANSGIGFET AKSFALHGAHVILACRNMARASEAVSRILEEWKTKYHPPPEKCRIKIFH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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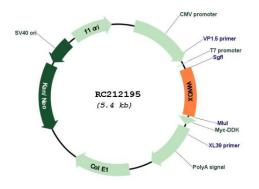


Cloning Scheme:	Restriction Sites:	Sgfl-Mlul
Local Distribution Local Distribution Setting Distribution Setting Distribution	Cloning Scheme:	Sgf I ORF Miu I GCGATCGC C ATG ==== NINN ACG CGT ====
Image: A diff of the diff		EcoRi BamHi Kpn I RBS Sgfi
act cros call and all for the fact of the fact call call call call of the fact call call call call call call call c		
ACCN:NM_130791ORF Size:567 bpOTI Disclaimer: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 anturally 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 		GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGGCC
ORF Size:567 bpOTI Disclaimer: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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.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 Method1. 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 130791.4RefSeq ORF:570 bpLocus ID:51741		* The last codon before the Stop codon of the ORF
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Locus ID: 51741	RefSeq Size:	959 bp
	RefSeq ORF:	570 bp
UniProt ID: Q9NZC7	Locus ID:	51741
	UniProt ID:	Q9NZC7

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	WWOX (NM_130791) Human Tagged ORF Clone – RC212195
Cytogenetics:	16q23.1-q23.2
Protein Families:	Druggable Genome
MW:	21.6 kDa
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]

Product images:



Circular map for RC212195

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