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Product datasheet for RC213172L4V

WWOX (NM_130844) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	WWOX
Synonyms:	D16S432E; FOR; FRA16D; HHCMA56; PRO0128; SCAR12; SDR41C1; WOX1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_130844
ORF Size:	108 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213172).
OTI 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 info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_130844.1, NP_570859.1
RefSeq Size:	793 bp
RefSeq ORF:	111 bp
Locus ID:	51741
Cytogenetics:	16q23.1-q23.2
Protein Families:	Druggable Genome

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MW: 4.6 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]

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