

Product datasheet for RR203622L3

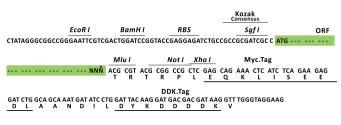
Wdr5 (NM_001039034) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Name:Wdr5 (NM_001039034) Rat Tagged Lenti ORF CloneTag:Myc-DDKSymbol:Wdr5Synonyms:MGC114572Mammalian Cell Selection:PuromycinVector:pLenti-C-Myc-DDK-P2A-Puro (PS100092)E. coli Selection:Chloramphenicol (34 ug/mL)ORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RR203622).Restriction Sites:Sgfl-MlulCloning Scheme:Cloning sites used for ORF Shuttling:	Product Type:	Expression Plasmids
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Cloning Scheme:		The ORF insert of this clone is exactly the same as(RR203622).
Cloning sites used for ORF Shuttling:	Restriction Sites:	Sgfl-Mlul
GCG ATC GCC ATG// NNN ACG CGT	Cloning Scheme:	Sgf I ORF Miu I

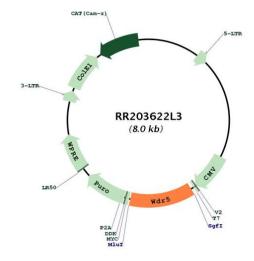


* The last codon before the Stop codon of the ORF.



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Plasmid Map:



ACCN:	NM_001039034
ORF Size:	1002 bp
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. <u>More info</u>
OTI 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 Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 001039034.1, NP 001034123.1</u>
RefSeq Size:	3140 bp
RefSeq ORF:	1005 bp

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	Wdr5 (NM_001039034) Rat Tagged Lenti ORF Clone – RR203622L3
Locus ID:	362093
UniProt ID:	<u>Q498M4</u>
Cytogenetics:	3p12
Gene Summary:	Contributes to histone modification. May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4'. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

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