

Product datasheet for MR204254L4

Rdh12 (BC016204) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Rdh12 (BC016204) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Rdh12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204254).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GC ATG// NNN ACG CGT
	Kozak Consensus

 EcoR I
 BamH I
 RBS
 Sgf I
 ORF

 CTATAGGGCGGGCGGGAATTCGTCGACTGGATCGGTACCGAGGAGAATCGCCGCGGGAATCGCC
 MGL
 MGL
 MGL
 MGL
 MGL
 MGL
 MGL
 MGL
 MGFP Tag

 NNN
 ACG
 CGT
 ACG
 CGC
 CCG
 CCG
 GG
 GG

 MGL
 MGFP Tag

 ...
 T
 R
 T
 R
 P
 L
 E
 M
 S
 G
 G

 ...

--- --- GGA CTC AGA GTT TGG GTA GGA AGC - - G L R V

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

ACCN: ORF Size: BC016204 912 bp

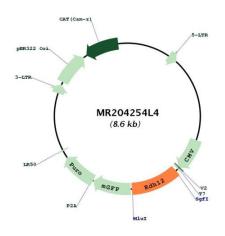


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GRIGENE Rdh12	(BC016204) Mouse Tagged Lenti ORF Clone – MR204254L4
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can 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>BC016204, AAH16204</u>
RefSeq Size:	1659 bp
RefSeq ORF:	914 bp
Locus ID:	77974
Cytogenetics:	12 C3
Gene Summary:	The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in the human gene are associated with Leber congenital amaurosis type 13, and Retinitis Pigmentosa 53. [provided by RefSeq, Sep 2015]

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Product images:



Circular map for MR204254L4

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