

## Product datasheet for **MR204536L3V**

### **Rdh11 (NM\_021557) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Rdh11 (NM_021557) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rdh11
Synonyms:	2610319N22Rik; AI428145; Arsd1; AU045252; C85936; CGI-82; HCBP12; M42C60; Mdt1; Psdr1; SCALD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021557
ORF Size:	951 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204536).
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. <a href="#">More info</a>
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:	<a href="#">NM_021557.2</a>
RefSeq Size:	1574 bp
RefSeq ORF:	951 bp
Locus ID:	17252
UniProt ID:	<a href="#">Q9QYF1</a>
Cytogenetics:	12 35.51 cM



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**Gene Summary:**

Retinol dehydrogenase with a clear preference for NADP (PubMed:12807874, PubMed:29567832). Displays high activity towards 9-cis, 11-cis and all-trans-retinol, and to a lesser extent on 13-cis-retinol (By similarity) (PubMed:12807874). Exhibits also reductive activity towards toxic lipid peroxidation products such as medium-chain aldehydes trans-2-nonenal, nonanal, and cis-6-nonenal (PubMed:12807874). Has no dehydrogenase activity towards steroid (PubMed:12807874). Seems to be required for homeostasis of retinol in liver and testis (PubMed:29567832).[UniProtKB/Swiss-Prot Function]