

Product datasheet for **MR204586L4V**

Rdh5 (NM_134006) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rdh5 (NM_134006) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rdh5
Synonyms:	9-cis; AI987873; cRDH; RDH4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_134006
ORF Size:	957 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204586).
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_134006.4
RefSeq Size:	1261 bp
RefSeq ORF:	957 bp
Locus ID:	19682
UniProt ID:	O55240
Cytogenetics:	10 77.19 cM



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Gene Summary:

Catalyzes the oxidation of cis-isomers of retinol, including 11-cis-, 9-cis-, and 13-cis-retinol in an NAD-dependent manner (PubMed:10588954, PubMed:9539749). Has no activity towards all-trans retinal (By similarity). Plays a significant role in 11-cis retinol oxidation in the retinal pigment epithelium cells (RPE). Also recognizes steroids (androsterone, androstanediol) as its substrates (By similarity).[UniProtKB/Swiss-Prot Function]