

Product datasheet for **RC208980L4V**

RDH10 (NM_172037) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RDH10 (NM_172037) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RDH10
Synonyms:	SDR16C4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172037
ORF Size:	1023 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208980).
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_172037.2
RefSeq Size:	3981 bp
RefSeq ORF:	1026 bp
Locus ID:	157506
UniProt ID:	Q8IZV5
Cytogenetics:	8q21.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Metabolic pathways, Retinol metabolism



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MW: 38.1 kDa

Gene Summary: This gene encodes a retinol dehydrogenase, which converts all-trans-retinol to all-trans-retinal, with preference for NADP as a cofactor. Studies in mice suggest that this protein is essential for synthesis of embryonic retinoic acid and is required for limb, craniofacial, and organ development. [provided by RefSeq, Dec 2011]