

Product datasheet for **RC209800L4V**

Retinol Saturase (RETSAT) (NM_017750) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Retinol Saturase (RETSAT) (NM_017750) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RETSAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017750
ORF Size:	1830 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209800).
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_017750.3
RefSeq Size:	3328 bp
RefSeq ORF:	1833 bp
Locus ID:	54884
UniProt ID:	Q6NUM9
Cytogenetics:	2p11.2
Protein Families:	Transmembrane
Protein Pathways:	Retinol metabolism
MW:	67.3 kDa



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Gene Summary:

Catalyzes the saturation of all-trans-retinol to all-trans-13,14-dihydroretinol. Does not exhibit any activity toward all-trans-retinoic acid, nor 9-cis, 11-cis or 13-cis-retinol isomers. May play a role in the metabolism of vitamin A. Independently of retinol conversion, may regulate liver metabolism upstream of MLXIPL/ChREBP. May play a role in adipocyte differentiation. [UniProtKB/Swiss-Prot Function]