

Product datasheet for **RC208278L4V**

ACOX2 (NM_003500) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ACOX2 (NM_003500) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACOX2
Synonyms:	BCOX; BRCACOX; BRcox; CBAS6; THCCox
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003500
ORF Size:	2043 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208278).
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_003500.2
RefSeq Size:	2356 bp
RefSeq ORF:	2046 bp
Locus ID:	8309
UniProt ID:	Q99424
Cytogenetics:	3p14.3
Domains:	ACOX, Acyl-CoA_dh
Protein Pathways:	Metabolic pathways, PPAR signaling pathway, Primary bile acid biosynthesis



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MW: 76.8 kDa

Gene Summary: The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe cognitive disability, and death in children. [provided by RefSeq, Mar 2009]