

Product datasheet for **RC219221L2V**

Aldehyde Oxidase (AOX1) (NM_001159) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldehyde Oxidase (AOX1) (NM_001159) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Aldehyde Oxidase
Synonyms:	AO; AOH1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001159
ORF Size:	4014 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219221).
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_001159.3
RefSeq Size:	4949 bp
RefSeq ORF:	4017 bp
Locus ID:	316
UniProt ID:	Q06278
Cytogenetics:	2q33.1
Domains:	Ald_Xan_dh_C, fer2, FAD_binding_5, fer2_2, CO_deh_flav_C
Protein Families:	Druggable Genome



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Protein Pathways:	Drug metabolism - cytochrome P450, Metabolic pathways, Nicotinate and nicotinamide metabolism, Tryptophan metabolism, Tyrosine metabolism, Valine, leucine and isoleucine degradation, Vitamin B6 metabolism
MW:	147.7 kDa
Gene Summary:	Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008]