

## Product datasheet for **RC213323L3V**

### LOX (NM\_002317) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LOX (NM_002317) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LOX
Synonyms:	AAT10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002317
ORF Size:	1251 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213323).
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. <a href="#">More info</a>
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:	<a href="#">NM_002317.3</a>
RefSeq Size:	1946 bp
RefSeq ORF:	1254 bp
Locus ID:	4015
UniProt ID:	<a href="#">P28300</a>
Cytogenetics:	5q23.1
Domains:	Lysyl_oxidase
Protein Families:	Druggable Genome, Secreted Protein



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**MW:** 46.8 kDa

**Gene Summary:** This gene encodes a member of the lysyl oxidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a regulatory propeptide and the mature enzyme. The copper-dependent amine oxidase activity of this enzyme functions in the crosslinking of collagens and elastin, while the propeptide may play a role in tumor suppression. In addition, defects in this gene have been linked with predisposition to thoracic aortic aneurysms and dissections. [provided by RefSeq, Jul 2016]