

Product datasheet for **MR209361L4V**

Loxl1 (NM_010729) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Loxl1 (NM_010729) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Loxl1
Synonyms:	L; Loxl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010729
ORF Size:	1824 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209361).
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_010729.2
RefSeq Size:	3338 bp
RefSeq ORF:	1824 bp
Locus ID:	16949
UniProt ID:	P97873
Cytogenetics:	9 31.65 cM



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Gene Summary:

This gene encodes a member of the lysyl oxidase family of copper-dependent enzymes that catalyze the formation of lysine-derived crosslinks in proteins such as collagen and elastin. The encoded preproprotein undergoes proteolytic processing to generate the mature, functional enzyme. Mice lacking the encoded protein fail to deposit normal elastic fibers in the uterine tract post partum and develop pelvic organ prolapse, enlarged airspaces of the lung, loose skin and vascular abnormalities with concomitant tropoelastin accumulation. [provided by RefSeq, Sep 2016]