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# Product datasheet for MR206463L4V

## Lox (NM_010728) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Lox (NM_010728) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Lox |
| **Synonyms:** | AI893619; rrg; TSC-16; TSC-160 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_010728 |
| **ORF Size:** | 1233 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(MR206463).` |
| **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_010728.2 |
| **RefSeq Size:** | 3604 bp |
| **RefSeq ORF:** | 1236 bp |
| **Locus ID:** | 16948 |
| **UniProt ID:** | P28301 |
| **Cytogenetics:** | 18 28.22 cM |

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**Gene Summary:** This gene encodes a precursor protein that belongs to the lysyl oxidase family of proteins. The secreted proprotein is proteolytically processed to an active mature peptide and a propeptide. This propeptide is thought to function in tumor suppression by inhibiting the Ras signaling pathway. The active enzyme plays a role in cross-linking of collagen and elastin and is essential for development of cardiovascular and respiratory systems, and development of skin and connective tissue. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013]