

## Product datasheet for **MR216585L4V**

### **Msl2 (NM\_001100451) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Msl2 (NM_001100451) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Msl2
Synonyms:	E130103E02Rik; Msl2l1; Rnf184
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001100451
ORF Size:	1731 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216585).
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_001100451.1</a> , <a href="#">NP_001093921.1</a>
RefSeq Size:	4934 bp
RefSeq ORF:	1734 bp
Locus ID:	77853
UniProt ID:	<a href="#">Q69ZF8</a>
Cytogenetics:	9 E4



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**Gene Summary:**

Component of histone acetyltransferase complex responsible for the majority of histone H4 acetylation at lysine 16 which is implicated in the formation of higher-order chromatin structure (By similarity). Acts as an E3 ubiquitin ligase that promotes monoubiquitination of histone H2B at 'Lys-35' (H2BK34Ub), but not that of H2A. This activity is greatly enhanced by heterodimerization with MSL1. H2B ubiquitination in turn stimulates histone H3 methylation at 'Lys-5' (H3K4me) and 'Lys-80' (H3K79me) and leads to gene activation, including that of HOXA9 and MEIS1 (By similarity).[UniProtKB/Swiss-Prot Function]