

Product datasheet for **MR209441L4V**

Msl1 (NM_028722) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Msl1 (NM_028722) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Msl1
Synonyms:	2810017F12Rik; 4121402D02Rik; 4930463F05Rik; AA682082; Msl-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028722
ORF Size:	1848 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209441).
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_028722.2
RefSeq Size:	4358 bp
RefSeq ORF:	1851 bp
Locus ID:	74026
UniProt ID:	Q6PDM1
Cytogenetics:	11 D



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Gene Summary:

Component of histone acetyltransferase complex responsible for the majority of histone H4 acetylation at 'Lys-17' which is implicated in the formation of higher-order chromatin structure (By similarity). Greatly enhances MSL2 E3 ubiquitin ligase activity, promoting monoubiquitination of histone H2B at 'Lys-35' (H2BK34Ub). This modification 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. In the MSL complex, acts as a scaffold to tether MSL3 and KAT8 together for enzymatic activity regulation.[UniProtKB/Swiss-Prot Function]