

Product datasheet for **MR205890L4V**

Sox18 (NM_009236) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sox18 (NM_009236) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sox18
Synonyms:	AI385749; Ra; Ragl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009236
ORF Size:	1131 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205890).
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_009236.2 , NP_033262.2
RefSeq Size:	1619 bp
RefSeq ORF:	1134 bp
Locus ID:	20672
UniProt ID:	P43680
Cytogenetics:	2 103.71 cM



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Gene Summary:

Transcriptional activator that binds to the consensus sequence 5'-AACAAAG-3' in the promoter of target genes and plays an essential role in embryonic cardiovascular development and lymphangiogenesis (PubMed:7651823, PubMed:10742113, PubMed:12748961, PubMed:18931657, PubMed:19429912, PubMed:26939885). Activates transcription of PROX1 and other genes coding for lymphatic endothelial markers (PubMed:18931657, PubMed:26939885). Plays an essential role in triggering the differentiation of lymph vessels, but is not required for the maintenance of differentiated lymphatic endothelial cells (PubMed:18931657). Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX17 (PubMed:16895970). Interaction with MEF2C enhances transcriptional activation (PubMed:11554755). Besides, required for normal hair development (PubMed:11094083, PubMed:12748961).[UniProtKB/Swiss-Prot Function]