

Product datasheet for **MR204241L3V**

Meox2 (NM_008584) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

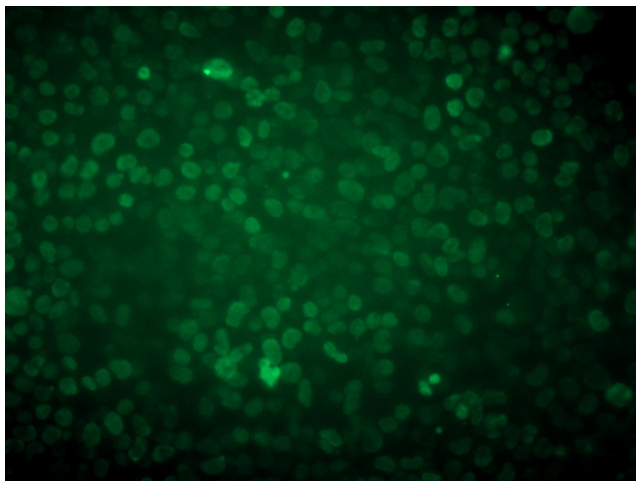
Product Type:	Lentiviral Particles
Product Name:	Meox2 (NM_008584) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Meox2
Synonyms:	AI528662; Gax; Mox-2; Mox2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008584
ORF Size:	909 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204241).
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_008584.1 , NP_032610.1
RefSeq Size:	2348 bp
RefSeq ORF:	912 bp
Locus ID:	17286
UniProt ID:	P32443
Cytogenetics:	12 16.84 cM



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Gene Summary:

Mesodermal transcription factor that plays a key role in somitogenesis and is required for sclerotome development. Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation. While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner. May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle. [UniProtKB/Swiss-Prot Function]

Product images:

[MR204241L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR204241L3V particle to overexpress human Meox2-Myc-DDK fusion protein.