

Product datasheet for **MR204615L3V**

Sox2 (NM_011443) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sox2 (NM_011443) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sox2
Synonyms:	Ic; Icc; Sox; Sox-2; ys; ysb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011443
ORF Size:	960 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204615).
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_011443.3
RefSeq Size:	2457 bp
RefSeq ORF:	960 bp
Locus ID:	20674
UniProt ID:	P48432
Cytogenetics:	3 16.93 cM



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Gene Summary:

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in a similar gene in human have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (Sox2ot). [provided by RefSeq, Sep 2015]