

Product datasheet for **MR206005L3V**

Nr2e1 (NM_152229) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

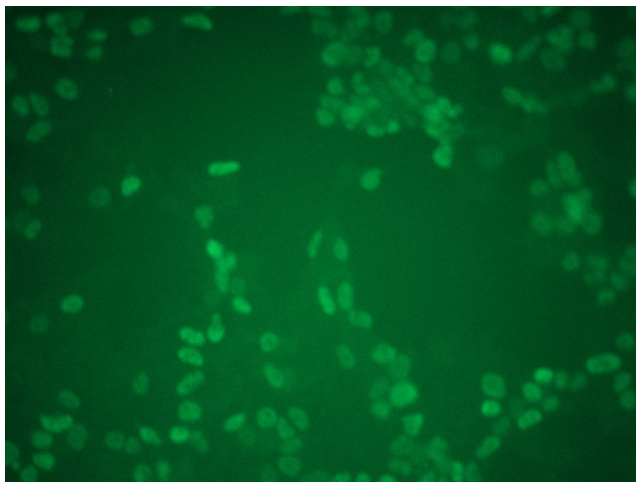
Product Type:	Lentiviral Particles
Product Name:	Nr2e1 (NM_152229) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nr2e1
Synonyms:	fierce; frc; Mtl1; MtlI; tailless; TLL; Tlx; XTLL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_152229
ORF Size:	1158 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206005).
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_152229.2
RefSeq Size:	3233 bp
RefSeq ORF:	1158 bp
Locus ID:	21907
UniProt ID:	Q64104
Cytogenetics:	10 22.89 cM



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Gene Summary:

Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity (By similarity). Regulates cell cycle progression in neural stem cells of the developing brain. Involved in the regulation of retinal development and essential for vision. During retinogenesis, regulates PTEN-Cyclin D expression via binding to the promoter region of PTEN and suppressing its activity. May be involved in retinoic acid receptor (RAR) regulation in retinal cells.[UniProtKB/Swiss-Prot Function]

Product images:

[MR206005L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR206005L3V particle to overexpress human Nr2e1-Myc-DDK fusion protein.