

Product datasheet for **MR206856L4V**

E2f1 (NM_007891) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	E2f1 (NM_007891) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	E2f1
Synonyms:	E2F-1; mKIAA4009; Tg(Wnt1-cre)2Sor
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007891
ORF Size:	1290 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206856).
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_007891.1
RefSeq Size:	2469 bp
RefSeq ORF:	1293 bp
Locus ID:	13555
UniProt ID:	Q61501
Cytogenetics:	2 76.79 cM



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Gene Summary:

Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F1 binds preferentially RB1 in a cell-cycle dependent manner. It can mediate both cell proliferation and TP53/p53-dependent apoptosis. Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters (PubMed:11672531, PubMed:20176812). Positively regulates transcription of RRP1B (By similarity). [UniProtKB/Swiss-Prot Function]