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Product datasheet for MR203627L3V

E2f6 (NM_033270) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	E2f6 (NM_033270) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	E2f6
Synonyms:	AI462434; E2F6a; E2F6b; EMA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_033270
ORF Size:	816 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR203627).`
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_033270.2, NP_150373.2
RefSeq Size:	2446 bp
RefSeq ORF:	819 bp
Locus ID:	50496
UniProt ID:	O54917
Cytogenetics:	12 8.04 cM

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Gene Summary: Inhibitor of E2F-dependent transcription. Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Has a preference for the 5'-TTTCCCGC-3' E2F recognition site. E2F6 lacks the transcriptional activation and pocket protein binding domains. Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression. May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase (By similarity). [UniProtKB/Swiss-Prot Function]