

## Product datasheet for **MR215437L4V**

### **Epc1 (NM\_007935) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Epc1 (NM_007935) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Epc1
Synonyms:	2400007E14Rik; 5730566F07Rik; A930032N02Rik; mir-1893
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007935
ORF Size:	2289 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215437).
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. <a href="#">More info</a>
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:	<a href="#">NM_007935.1</a> , <a href="#">NP_031961.1</a>
RefSeq Size:	3895 bp
RefSeq ORF:	2292 bp
Locus ID:	13831
UniProt ID:	<a href="#">Q8C9X6</a>
Cytogenetics:	18 A1



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**Gene Summary:**

Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]