

Product datasheet for **MR227700**

Epc1 (NM_001276350) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Epc1 (NM_001276350) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Epc1
Synonyms: 2400007E14Rik; 5730566F07Rik; A930032N02Rik; mir-1893
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227700 representing NM_001276350
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTAAACTGTCGTTTCGGGCGGGCGCTGGACGCCTCGAAGCCGCTGCCGGTCTTCCGCTGTGAGG
ATCTGCCCGACCTGCACGAATACGCCTCGATAAACCGGGCGTGCCGCAGATGCCACCGGGATGGAGAA
GGAAGAGGAGTCGGTACAGCCACTTATACAGGGTGCAGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227700 representing NM_001276350
Red=Cloning site **Green**=Tags(s)

MSKLSFRARALDASKPLPVFRCELDLHEYASINRAVPQMPTGMEKEEESVQPLIQGAVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

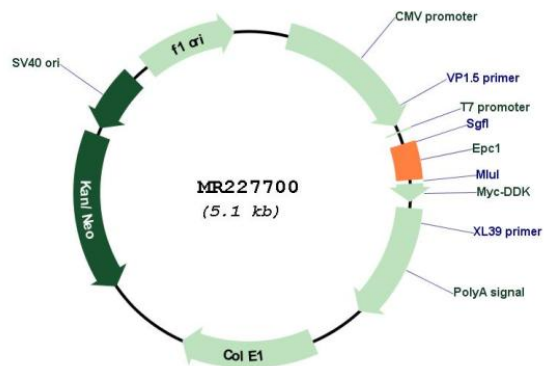


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001276350
 ORF Size: 183 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001276350.1 , NP_001263279.1
RefSeq Size:	834 bp
RefSeq ORF:	186 bp
Locus ID:	13831
UniProt ID:	Q8C9X6
Cytogenetics:	18 A1
MW:	7.3 kDa
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]