

Product datasheet for **MC221424**

Epc1 (NM_007935) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epc1 (NM_007935) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epc1
Synonyms:	2400007E14Rik; 5730566F07Rik; A930032N02Rik; mir-1893
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221424 representing NM_007935
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAACACCATCTTCAGCGGGCTATTTCTGCACAGCAGGTGTACGGCGAGAAGCGGGATAACATGGTTA
 TTCAGTTCCTGAAGCAGAGAGTAACATCGCTTACTATGAGTCCATATACCCTGGGGAGTTCAGGATGCC
 AAAGCAGCTCATTACATACAGCCTTTTAGCTTGACGCTGAACAGCCTGATTACGATCTGGATTCTGAA
 GATGAAGTATTTGTAATAAACTGAAGAAGAAAATGGACATCTGCCATTGCAGTTTGAGGAGATGATTG
 ACCGGCTAGAAAAAGGCAGCGGTGAGCAGCCAGTCACTGTCAGGAAGCCAACTACTTCTAAAAGAAGA
 TGATGAGTTAATTAGAGAAGTTTATGAATACTGGATTAAGAGAGGAAAACCTGCCGGGGTTCATCACTT
 ATCCCCTGGTAAACAGGAAAAGCGAGATGGTTCTAGCACAAATGATCCTTACGTGGCTTTTAGAAGAC
 GAACTGAGAAAAAGCAAACTCGGAAAACCGTAAGAATGATGAAGCCTCATATGAGAAAAAGCTCAAGCT
 GCGCCCGATCTCAGCCGGGCTGTACCATCCTGGAAATGATCAAGAGACGGGAGAAGAGTAAACGGGAG
 CTGCTGCACCTGACCCTGGAAATCATGGAGAAGAGGTATAATTTAGGTGACTATAGTGGAGAGATCATGT
 CTGAGGTCATGGCACAGAGACAGCCAGTGAAGCCTACTTATGCCATCCCCATCATCCCGATTACTAACAG
 CAGCCAGTTCAAACACCAGGATGCCACGGACTCGAAGGAGTTCAAAGTTAAACAGCAAGATAAGGCTGAT
 CTTATCCGGCCGAAGCGCAAATATGAAAAGAAGCCCAAAGTCTTACCCCATCTGCTGCCGCCCTCAGC
 AGCAGAGTCTGCTGCACTGCCAGGCTTCACTGCTAAAGACTTAAACCAGTACGACTTCCCAGCTCAGA
 TGAAGAGCCTCTGTCACAGGTTTTGCTGGCTCTCGGAAGCTGAGGAAGAGAATGACCCGTATGGCCCT
 TTTGCTTCCGTAGGAAAGCAGGCTGTCACTATGCTCCTCATTTAGACCAAAGTGGCAACTCACCCTACC
 CCAGAGGTGCTTTGGATTTGACAGAAAGCGGGTGGGACGTGGTGAAGGGTCTGCTGGACAGAGCGCAT
 TCAGACTATGACAGTATGTTTACCACCTGGATTTGGACATGCTTCTCACCACAACTTCTCCAGTCA
 ATCAGTTTGCCAATACCTCAGAACCCAATACCTCGGACAGATCTTCTCTAAAGACCTCAGTCAGATACT
 AGTCGATATCAAATCATGTAGATGGCGCACTTTAGGCCCGGACACCATCCCTGCCTGACAGTGACAGT
 GGTGAATCTCCAGTAGAAAGTTACACAGGAGTATCAGTCGAGCAGGAGCAGCACAGCCTGGGGCCACA
 CGTGCAGCACCTCACCAGAACAGAAGTAGCAGTGGCTCAGCACACTGTGCATTACAGCCGAACAGTA
 CCAGCAGCACCAGCAGCTGGCACTCATGCAGCAGCAGCAGCTTGGCAGACTCAGCAGCAGCAGCAA
 GCAAATAGTAGTCTCTGCCGCCGCGCAACAGGGTTTTGTTTCTAAGACGTTGGACTCTGCTAGTGCAC
 AGTTTGCTGCTTCTGCTTTGATGACGTCGGAACAGCTGCTGGGGTTCAAGGTGAAGGATGATGTGGTGT
 CGGGCTCGGGTGAATGGCGTCTTCTGCCTCAGGAGTATACAAGGGTTACACCTCAGTAGCACTACA
 CCAACGGCACTTGTACATACGAGTCTTTCGACAGCAGGTTCAACTTTGTTACAGCCTTCAAATATTACAC
 AGACTTCCGGTCCCACAGCTCACTGAGTACCAAGTAACTGCTGCCAGCTCTGCAACAACCTCAGGTTCT
 GTTTGGGAACAACATCCGATTAAGTGTCTCCCTCATCTGTCCCACTGTCAACTCTGTACCCCAATAAAC
 GCACGGCATATACCTAGGACTTTAAGTGTCTCCGCCATCTGCCTTAAAGCTGGCTGCTGCAGCAAATT
 GTCAAGTTTCAAAGTCCCCTCCTCATCTGTAGATTCAAGTCCAAGGGAAAATCATGAATCGGAAAA
 GCCAGCACTGAACAACATAGCAGACAACACAGTAGCAATGGAGGTGACGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007935
Insert Size: 2292 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_007935.2 , NP_031961.1
RefSeq Size:	3832 bp
RefSeq ORF:	2292 bp
Locus ID:	13831
UniProt ID:	Q8C9X6
Cytogenetics:	18 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and in the 5' coding region, compared to variant 2. It encodes isoform 1 which is shorter and has a distinct N-terminus, compared to isoform 2.</p>