

Product datasheet for **MC221798**

Epc1 (NM_027497) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epc1 (NM_027497) 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: >MC221798 representing NM_027497
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAAACTGTCGTTTCGGGCGGGGCTGGACGCCTCGAAGCCGCTGCCGGTCTTCCGCTGTGAGG
 ATCTGCCCGACCTGCACGAATACGCCTCGATAAACCGGGCCGTGCCGCAGATGCCACCGGGATGGAGAA
 GGAAGAGGAGTCGGAACACCATCTTCAGCGGGCTATTTCTGCACAGCAGGTGTACGGCGAGAAGCGGGAT
 AACATGGTTATTCCAGTTCCTGAAGCAGAGAGTAACATCGCTTACTATGAGTCCATATACCTGGGGAGT
 TCAGGATGCCAAAGCAGCTCATTACATACAGCCTTTTAGCTTGGACGCTGAACAGCCTGATTACGATCT
 GGATTCTGAAGATGAAGTATTTGTGAATAAACTGAAGAAGAAAATGGACATCTGCCATTGCAGTTTGAG
 GAGATGATTGACCGGCTAGAAAAAGGCAGCGGTCAGCAGCCAGTCAGTCTGCAGGAAGCCAACTACTTC
 TAAAAGAAGATGATGAGTTAATTAGAGAAGTTTATGAATACTGGATTA AAAAGAGGAAAACCTGCCGGG
 GTCATCACTTATCCCGTTGGTAAAACAGGAAAAGCGAGATGGTTCTAGCACAAATGATCCTTACGTGGCT
 TTTAGAAGACGAACTGAGAAAATGCAAACTCGGAAAAACCGTAAGAATGATGAAGCCTCATATGAGAAAA
 TGCTCAAGCTGCGCCGCGATCTCAGCCGGGCTGTCAACATCCTGGAAATGATCAAGAGACGGGAGAGAG
 TAAACGGGAGCTGCTGCACCTGACCCTGGAAATCATGGAGAAGAGGTATAATTTAGGTGACTATAGTGGA
 GAGATCATGTCTGAGGTGATGCCACAGAGACAGCCAGTGAAGCCTACTTATGCCATCCCCATCATCCCGA
 TTAATAACAGCAGCCAGTTCAAACACCAGGATGCCACGGACTCGAAGGAGTTCAAAGTTAAACAAGCAAGA
 TAAGGCTGATCTTATCCGGCCGAAGCGCAAATATGAAAAGAAGCCCAAAGTCTTACCCCATCTGCTGCC
 CCCCCTCAGCAGCAGAGTCTGCTGCACCTGCCAGGCTTCAGTGTAAAGACTTAAACCAGTACGACTTCC
 CCAGCTCAGATGAAGAGCCTGTGCACAGTTTTGTCTGGCTCTTCGGAAGCTGAGGAAGAACTGACCC
 TGATGGCCCTTTTGTCTTCCGTAGGAAAAGCAGGCTGTCACTACTGCTCCTCATTAGACCAAACCTGGC
 AACTGGCCCTGGACTAGCCCTAAAGATGGAGGCCTGGGGGATGTGCGATATAGATATTGCTTAACTACTC
 TCACCGTACCCAGAGGTGTCTTGGATTGACAGAAAGACGGGTCGGACGTGGTGAAGGGTCTGCTGGA
 CAGAGCGCATTACAGACTATGACAGTATGTTTCACCACCTGGATTGGACATGCTTTCCTCACCACAACCT
 TCTCCAGTCAATCAGTTTGCCAATACCTCAGAACCAATACCTCGGACAGATCTTCTCTAAAGACCTCA
 GTCAGATACTAGTCGATATCAAATCATGTAGATGGCGGCACTTTAGGCCTCGGACACCATCCCTGCCTGA
 CAGTGACAGTGGTGAACCTCCAGTAGAAAAGTTACACAGGAGTATCAGTCGAGCAGGAGCAGCACAGCCT
 GGGGCCACACGTGCAGCACCTCCACCCAGAACAGAAGTAGCAGTGGCTCAGCACACTGTGCATTACAG
 CCGAACAGTACCAGCAGCACCAGCAGCAGCTGGCACTCATGCAGCAGCAGCAGCTTGCAGCAGACTAGCA
 GCAGCAGCAAGCAAAATAGTAGTTCTCTGCCGCGCGCAACAGGGTTTTGTTTCTAAGACGTTGGACTCT
 GCTAGTGACAGTCTTGTCTTCTGCTTTGATGACGTCGGAACAGCTGCTGGGGTTCAAGGTGAAGGATG
 ATGTGGTCTCGGGCTCGGGGTGAATGGCGTCTTCTGCCTCAGGAGTATACAAGGGCTTACACCTCAG
 TAGCACTACCCAACGGCACTTGTACATACGAGTCCTTCGACAGCAGGTTCAACTTTGTTACAGCCTTCA
 AATATTACACAGACTTCGGGTTCCACAGCTCACTGAGTACCAAGTAACTGCTGCCAGCTCTGCAACAA
 CTCAGGTTCTGTTTGGGAACAACATCCGATTAAGTGTCCCCTCATCTGTCCCCACTGTCAACTCTGTAC
 CCCAATAAACGCACGGCATATACCTAGGACTTTAAGTGTCTGTTCCGCCATCTGCCTTAAAGCTGGCTGCT
 GCAGCAAATTGTCAAGTTTCCAAGTCCCCTCCTCATCCTCTGTAGATTCAAGTTCCAAGGAAAAATCATG
 AATCGGAAAAGCCAGCACTGAACAACATAGCAGACAACACAGTAGCAATGGAGGTGACGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_027497
Insert Size: 2442 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_027497.3 , NP_081773.1
RefSeq Size:	3983 bp
RefSeq ORF:	2442 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 (2) represents the longest transcript and encodes the longest isoform (2).</p>