

Product datasheet for **MG215437**

Epc1 (NM_007935) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epc1 (NM_007935) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epc1
Synonyms:	2400007E14Rik; 5730566F07Rik; A930032N02Rik; mir-1893
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG215437 representing NM_007935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAACACCATCTTCAGCGGGCTATTTCTGCACAGCAGGTGTACGGCGAGAAGCGGGATAACATGGTTA
 TTCAGTTCCTGAAGCAGAGAGTAACATCGCTTACTATGAGTCCATATACCCTGGGGAGTTCAGGATGCC
 AAAGCAGCTCATTACATACAGCCTTTTAGCTTGACGCTGAACAGCCTGATTACGATCTGGATTCTGAA
 GATGAAGTATTTGTAATAAACTGAAGAAGAAAATGGACATCTGCCATTGCAGTTTGAGGAGATGATTG
 ACCGGCTAGAAAAAGGCAGCGGTACAGCAGCAGTCACTGCAGGAAGCCAACTACTTCTAAAAGAAGA
 TGATGAGTTAATTAGAGAAGTTTATGAATACTGGATTA AAAAGAGGAAAACCTGCCGGGGTCACTACT
 ATCCCCTGGTAAAACAGGAAAAGCGAGATGGTTCTAGCACAAATGATCCTTACGTGGCTTTTAGAAGAC
 GAACTGAGAAAAAGCAAACTCGGAAAAACCGTAAGAATGATGAAGCCTCATATGAGAAAAAGCTCAAGCT
 GCGCCCGATCTCAGCCGGGCTGTACCATCCTGGAAATGATCAAGAGACGGGAGAAGAGTAAACGGGAG
 CTGCTGCACCTGACCCTGGAAATCATGGAGAAGAGGTATAATTTAGGTGACTATAGTGGAGAGATCATGT
 CTGAGGTCATGGCACAGAGACAGCCAGTGAAGCCTACTTATGCCATCCCCATCATCCCGATTACTAACAG
 CAGCCAGTTCAAACACCAGGATGCCACGGACTCGAAGGAGTTCAAAGTTAAACAGCAAGATAAGGCTGAT
 CTTATCCGGCCGAAGCGCAAATATGAAAAGAAGCCCAAAGTCTTACCCCATCTGCTGCCGCCCTCAGC
 AGCAGAGTCTGCTGCACTGCCAGGCTTCAAGACTTAAACAGTACGACTTCCCAGCTCAGA
 TGAAGAGCCTCTGTCACAGGTTTTGCTGGCTCTCGGAAGCTGAGGAAGAGAATGACCCGTATGGCCCT
 TTTGCTTCCGTAGGAAAGCAGGCTGTCACTATGCTCCTCATTTAGACCAAAGTGGCAACTGGCCCT
 GGACTAGCCCTAAAGATGGAGGCTGGGGATGTGCGATATAGATATTGCTTAACTACTCTCACCGTACC
 CCAGAGGTGCTTTGGATTTGCACGAAGACGGGTGCGACGTGGTGAAGGGTCGTGCTGGACAGAGCGCAT
 TCAGACTATGACAGTATGTTTACCACCTGGATTTGGACATGCTTCTCACCACAACCTTCTCCAGTCA
 ATCAGTTTGCCAATACCTCAGAACCCAATACCTCGGACAGATCTTCTCTAAAGACCTCAGTCAGATACT
 AGTCGATATCAAATCATGTAGATGGCGCACTTTAGGCCCGGACACCATCCCTGCCTGACAGTGACAGT
 GGTGAATCTCCAGTAGAAAGTTACACAGGAGTATCAGTCGAGCAGGAGCAGCACAGCCTGGGGCCACA
 CGTGCAGCACCTCCACCCAGAACAGAAGTAGCAGTGGCTCAGCACACTGTGCATTACAGCCGAACAGTA
 CCAGCAGCACAGCAGCAGCTGGCACTCATGCAGCAGCAGCAGCTTGCAGACTCAGCAGCAGCAGCAA
 GCAAAATAGTAGTCTCTGCCGCCGCGCAACAGGGTTTTGTTTCTAAGACGTTGGACTCTGCTAGTGCAC
 AGTTTGTGCTTCTGCTTTGATGACGTCGGAACAGCTGCTGGGGTTCAAGGTGAAGGATGATGTGGTGCT
 CGGGCTCGGGTGAATGGCGTCCTTCTGCCTCAGGAGTATACAAGGGCTTACACCTCAGTAGCACTACA
 CCAACGGCACTTGTACATACGAGTCTTTCGACAGCAGGTTCAACTTTGTTACAGCCTTCAAATATTACAC
 AGACTTCCGGTCCCACAGCTCACTGAGTACCAAGTAACTGCTGCCAGCTCTGCAACAACCTCAGGTTCT
 GTTTGGGAACAACATCCGATTAAGTGTGCTCCCTCATCTGTCCCACTGTCAACTCTGTACCCCAATAAAC
 GCACGGCATATACCTAGGACTTTAAGTGTGTTCCGCCATCTGCCTTAAAGCTGGCTGCTGCAGCAAATT
 GTCAAGTTTCAAAGTCCCCTCCTCATCTGTAGATTCAAGTCCAAGGAAAAATCATGAATCGGAAAA
 GCCAGCACTGAACAACATAGCAGACAACACAGTAGCAATGGAGGTGACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Reconstitution Method:

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: 3895 bp

RefSeq ORF: 2292 bp

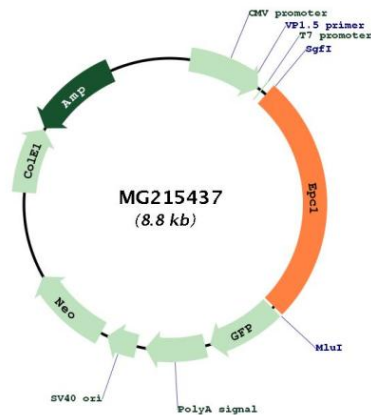
Locus ID: 13831

UniProt ID: [Q8C9X6](#)

Cytogenetics: 18 A1

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]

Product images:



Circular map for MG215437