

Product datasheet for **RG234923**

EPC1 (NM_001272004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPC1 (NM_001272004) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPC1
Synonyms:	Epl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234923 representing NM_001272004
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTAAACTGTCGTTTCGGGCGGGGCGCTAGACGCCTCGAAGCCGCTGCCGTTTTCCGCTGTGAGG
 ATCTGCCCGACCTGCACGAATACGCCTCGATAAACAGGGCCGTGCCGCAGATGCCACCGGAATGGAGAA
 GGAAGAGGAGTCGGAACATCATCTTCAGCGGGCTATTTACGACAGCAGGTGTATGGCGAGAAGAGGGAT
 AATATGGTTATACCGGTCCCAGAGGCAGAAAGTAAATTGCTTACTATGAGTCTATATATCCTGGGGAAAT
 TTAAGATGCCAAAGCAGCTCATTACATACAGCCTTTTAGTTGGATGCTGAACAGCCTGATTATGATTT
 GGATTCTGAAGATGAAGTATTTGTGAATAAACTGAAAAAGAAAATGGACATCTGCCATTGCAATTTGAG
 GAGATGATTGACCGCTAGAAAAAGGCAGTGGTCAGCAGCCAGTCACTGCAGGAAGCCAACTACTGC
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 GCCATCTCTTATCCATCAGTAAAACAAGAGAAGCGAGATGGTCCAGCACAAATGATCCTTATGTGGCT
 TTTAGAAGGCGTACTGAAAAAATGCAGACTCGAAAAAATCGAAAAATGATGAAGCCTCTTACGAAAAAA
 TGCTTAAGCTGCGACGAGATCTAAGTCGAGCTGTTACTATTCTAGAGATGATAAAAAAGAAGAAAAAAG
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 GCAACAGCAAGCAATAGTAATTCCTCCACCAACACATCACAGGGTTTTGTTTCTAAGACTTTGGATTCT
 GCTAGTGACAGTCTGCTTCTGCTTTGGTGACATCAGAACAACCTGATGGGATTAAGATGAAGGATG
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 AATATTACACAGACTTCAAGTCCCACAGTGCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 CTCAGGTTCTGATTGGGAACAACATTGATTAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 CCCAATAAATGCACGACATATACCTAGGACTTTAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 GCAGCAAAGTCAAGTTTCCAAGTCCCATCTTATCCTCTGTAGATTCAAGTCAAGTCAAGTCAAGTCAAGT
 AATCAGAAAAGCCAGCACTGAACAACATAGCAGACAACACAGTAGCGATGGAGGTGACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234923 representing NM_001272004
 Red=Cloning site Green=Tags(s)

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MSKLSFRARALDASKPLPVFRCELDLHEYASINRAVPQMPTGMEKEEESHHLQRAISAQQVYGEKRD
NMVIPVPEAESNIAYYESIYPGEFKMPKQLIHIQPFSLDAEQPDYDLSEDEVFVNKLNKMDICPLQFE
EMIDRLEKGGGQPPVSLQEAKLLKEDDELIREVVEYWIKKRKNCRGPSLIPSVKQEKRDGSSSTNDPYVA
FRRRTEKMQTRKNRKNDEASYEKMLKRRDL SRAVTILEMIKRREKSKRELLHLTLEIMEKRYNLGDYNG
EIMSEVMAQRQPMKPTYAIP IIPITNSSQFKHQEAMDVKEFKVNKQDKADLIRPKRKYEKKPKVLPSSAA
ATPQQTSPAALPVFNAKDLNQYDFPSSDEEPLSQVLSGSSEAEEDNDPDGPF AFRRKAGCQYYAPHLDQT
GNWPWTSPKDGGGLGDVRYRYCLTTLTVPQRCIGFARRRVGRGGRVLLDRAHSDYDSVFHHLDLEMLSSPQ
HSPVNFANTSETNTSDKSFSKDL SQILVNIKSCRWRHFRPRTPSLHSDNDELSCRKLYRSINRTGTAQ
PGTQTCSTSTQSKSSSGSAHF AFTAEQYQQHQQLALMOKQQLAQIQQQANSNSSTNTSQGFVSKTLDS
ASAQFAASALVTSEQLMGFKMKDDVVLGIGVNGVLPASGVYKGLHL SSTTPTALVHTSPSTAGSALLQPS
NITQTSSSHSALSHQVTAANSATTQVLIGNNIRLTPVSSVATVNSIAPINARHIPRTLSAVPSSALKLAA
AANCQVSKVPSSSVDSVPRENHESEKPALNNIADNTVAMEVT
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_001272004.3](#)

RefSeq Size: 4102 bp

RefSeq ORF: 2442 bp

Locus ID: 80314

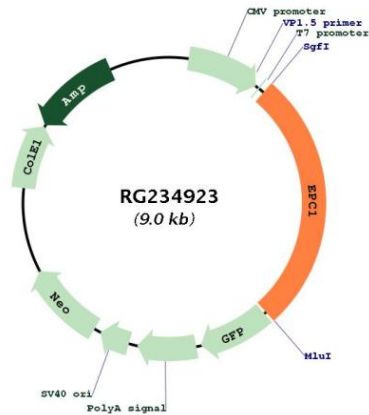
UniProt ID: [Q9H2F5](#)

Cytogenetics: 10p11.22

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the polycomb group (PcG) family. The encoded protein is a component of the NuA4 histone acetyltransferase complex and can act as both a transcriptional activator and repressor. The encoded protein has been linked to apoptosis, DNA repair, skeletal muscle differentiation, gene silencing, and adult T-cell leukemia/lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RG234923