

## Product datasheet for **SC337407**

### **EPC1 (NM\_001282391) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EPC1 (NM_001282391) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPC1
Synonyms:	Epl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001282391, the custom clone sequence may differ by one or more nucleotides

```

ATGGAACATCATCTTCAGCGGGCTATTTACGACACAGCAGGTGTATGGCGAGAAGAGGGATAATATGGTTA
TACCGGTCCCAGAGGCAGAAAAGTAATATTGCTTACTATGAGTCTATATATCTGGGGAATTAAGATGCC
AAAGCAGCTCATTACATACAGCCTTTTAGTTGGATGCTGAACAGCCTGATTATGATTTGGATTCTGAA
GATGAAGTATTTGTGAATAAACTGAAAAAGAAAATGGACATCTGCCATTGCAATTTGAGGAGATGATTG
ACCGCCTAGAAAAAGGCAGTGGTCAGCAGCCAGTCAGTCTGCAGGAAGCCAAACTACTGCTAAAAAGAAGA
TGATGAACTAATTAGAGAAGTTTATGAATATTGGATTAAGAGAGAAAAAACTGTCGAGGGCCATCTCTT
ATTCCATCAGTAAAAAAGAGAAGCGAGATGGTCCAGCACAAATGATCCTTATGTGGCTTTTAGAAGGC
GTACTGAAAAAATGCAGACTCGAAAAAATCGCAAAAATGATGAAGCCTTACGAAAAAATGCTTAAGCT
GCGACGAGATCTAAGTCGAGCTGTTACTATTCTAGAGATGATAAAAGAAGAGAAAAAAGTAAAAGAGAG
CTATTGCACTTAACACTGGAAATATGGAAAAGAGGTATAATTTGGGCGACTACAATGGAGAGATCATGT
CTGAGGTTATGGCACAGAGACAGCCAATGAAACCTACTTATGCCATCCCCATCATCCCTATTACTAATAG
CAGTCAATTTAAACACCAGGAAGCAATGGATGTGAAGGAGTTCAAAGTTAATAAGCAAGATAAAGCCGAT
CTTATCCGACCGAAACGGAAATATGAAAAGAAGCCAAAGTCTTACCATCGTCTGCCGCTGCTACTCCCC
AACAGACGAGTCTGCTGCACTGCCAGTCTTCAATGCTAAAGATCTGAATCAGTATGACTTTCCAGCTC
AGACGAAGAACCTCTCTCCAGGTTTTGTCTGGCTCTTCGGAAGCTGAGGAAGACAATGATCCTGATGGT
CCTTTTGTCTTCCGTAGGAAAGCAGGCTGTGACTACTATGCTCCTCACTTAGACCAAACTGGCAACTGGC
CTTGGACTAGTCCTAAAGATGGAGGATTAGGGGATGTGCGATATAGATACTGCTTAACTACTCTCACCGT
ACCCCAAAGGTGATTGGATTTGCACGAAGACGGTTGGGCGCGGTGGAAGGGTCTTACTGGACAGAGCT
CATTGAGACTATGACAGTGTGTTTCACCATCTGGATTTGAAAATGCTTTCCCTACCACAACATTCTCCAG
TCAATCAGTTTGCCAATACCTCAGAAAACAAATACCTCGGACAAAATCTTTCTCTAAAGACCTCAGTCAGAT
ACTAGTCAATATCAAATCATGTAGATGGCGCATTTTAGGCCCTCGGACACCATCCCTACATGACAGTGAC
AATGATGAACTCTCCTGTAGAAAATTATATAGGAGTATAAAACCGAACAGGAACAGCACAACTGGGACCC
AGACATGCAGTACCTCTACGCAAAGTAAAAGTAGCAGTGGTTCAGCACACTTTGCATTTACAGCCGAACA
ATACCAGCAACATCAACAGCAACTGGCACTCATGCAGAAACAGCAGCTTGCACAAATTCAGCAACAGCAA
GCAAAATAGTAATTCCTCCACCAACACATCACAGGGTTTTGTTTCTAAGACTTTGGATTCTGCTAGTGCAC
AGTTTGTCTTCTGCTTTGGTGACATCAGAACTGATGGGATTCAAGATGAAGGATGATGTGGTGCT
TGGAAATCGGGTGAATGGCGTCTTCCAGCCTCAGGAGTATACAAGGGCTTACACCTCAGTACTACTACA
CCAACAGCACTTGTACATACAAGTCCATCAACGGCAGGTTGAGCTTTGTTACAGCCTTCAAATATTACAC
AGACTTCAAGTTCCACAGTGCAGTGCATCAAGTAACTGCTGCCAATTCTGCAACAACCTCAGGTTCT
GATTGGGAACAACATTCGATTAAGTGTACCTTTCATCAGTTGCCACTGTAACCTCTATTGCCCAATAAAT
GCACGACATATACCTAGGACTTTAAGTGTGTTCCATCATCTGCCTTAAAGCTGGCCGCTGCAGCAAACT
GTCAAGTTTCCAAGTCCCATCTTATCCTCTGTAGATTCAGTTCGAAGGAAAAATCATGAATCAGAAAA
GCCAGCACTGAACAACATAGCAGACAACACAGTAGCGATGGAGGTGACGTAG
    
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001282391

**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:**

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\\_001282391.1](#), [NP\\_001269320.1](#)

**RefSeq Size:** 3954 bp

**RefSeq ORF:** 2292 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]

Transcript Variant: This variant (3) represents use of an alternate promoter, and thus differs in the 5' UTR and 5' coding region, and lacks an alternate, in-frame exon in the coding region compared to variant 1. These differences cause translation initiation at an alternate AUG, and the resulting isoform (d) has a distinct N-terminus and is shorter compared to isoform a.