

Product datasheet for **SC333187**

EPC1 (NM_001272019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPC1 (NM_001272019) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPC1
Synonyms:	Epl1
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC333187 representing NM_001272019.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTTATACCGGTCCCAGAGGCAGAAAGTAATATTGCTTACTATGAGTCTATATATCTCTGGGAATTT
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GTAGCGATGGAGGTGACGTAG
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001272019

Insert Size: 2229 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:

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_001272019.2](#)

RefSeq Size: 3708 bp

RefSeq ORF: 2229 bp

Locus ID: 80314

UniProt ID: [Q9H2F5](#)

Cytogenetics: 10p11.22

Protein Families: Transcription Factors

MW: 82.7 kDa

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 (4) uses two alternate splice sites in the 5' UTR, uses a downstream start codon, and lacks an in-frame exon in the coding region compared to variant 1. It encodes isoform c which has a shorter N-terminus compared to isoform a.