

## Product datasheet for RN212980

### Epo (NM\_017001) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Epo (NM\_017001) Rat Untagged Clone  
Tag: Tag Free  
Symbol: Epo  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Fully Sequenced ORF: >RN212980 representing NM\_017001

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGTGCCCGAACGTCCCACCCTGCTGCTTTACTATCCTTGCTACTGATTCCTCTGGGCCTCCAG  
TCCTCTGCGCTCCCCACGCCTCATTTGCGACAGTCGCGTTCTGGAGAGGTACATCTTGGAGGCCAAGGA  
GGCAGAAAATGTCACAATGGGCTGTGCAGAAGGTCCCAGACTGAGTGAGAATATTACCGTCCCAGATACC  
AAAGTCAACTTCTACGCTTGAAAAGAATGAAGGTGGAAGAACAGGCTGTAGAAGTTTGGCAAGGCCTGT  
CTCTGCTCTCAGAAGCCATCCTGCAGGCCAGGCTCTGCAGGCCAATTCCTCCCAGCCACCAGAGGTCT  
TCAGCTTCATATAGACAAAGCCATCAGTGGGCTACGTAGCCTCACTTCACTGCTTCGGGTGCTGGGAGCT  
CAGAAGGAATTGATGTCGCCTCCAGACGCCACCCAAGCCGCTCCACTCCGAACACTCACAGCGGATACTT  
TCTGCAAGCTCTCCGGGTCTACTCCAACTTCTCCGGGGAACTGAAGCTGTACACGGGGGAGGCCTG  
CAGGAGAGGGGACAGG**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
ACCN: NM\_017001  
Insert Size: 579 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_017001.1](#), [NP\\_058697.1](#)

**RefSeq Size:** 1395 bp

**RefSeq ORF:** 579 bp

**Locus ID:** 24335

**UniProt ID:** [P29676](#)

**Cytogenetics:** 12q12

**Gene Summary:** acts as a regulator of erythropoiesis; may facilitate oxygen delivery in response to hypoxia [RGD, Feb 2006]