

Product datasheet for **RN204320**

Epc2 (NM_001108581) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epc2 (NM_001108581) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN204320 representing NM_001108581

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGAGTAAACTCTCCTTCGAGCGCGGGCGCTGGACGCCGCCAAACCGCTGCCCATCTACCGCGGAAGG
 ACATGCCTGATCTCAACGACTGCGTCTCCATCAACCGGGCGTGCCCGAGATGCCACCGGATGGAGAA
 GGAGGAGGAATCGGAACATCACTTACAGCGAGCTATTTAGCAGACGAAGTATTTAGAGAAAAAAGAG
 AGCATGGTCATTCCAGTTCTGAGGCGGAGAGCAACGTCAACTATTACAATCGCTTGACAAAGGGGAGT
 TTAACAGCCCAACAGTTCATTATTCAGCCTTTTAACTAGACAATGAGCAACCAGATTATGATAT
 GGATTCTGAAGATGAGACATTATTAATAGACTTAACAGAAAGATGAAATTAACCTTTGCAATTTGAA
 ATTATGATTGACAGACTGAAAAAGCCAGTTCTAACCAGCTTGTAACACTTCAAGAAGCAAACTGCTGC
 TGAATGAAGACGACTACCTATTAAGCTGTATATGACTACTGGTGAGGAAACGCAAGAACTGCAGGGG
 GCCGTCCCTCATCCCCAGATTAAGCAAGAGAAGAGAGATGGCTCTACCAACAATGATCCTTATGTTGCC
 TTTCGGAGGAGAACAGAGAAGATGCAGACTCGGAAGAACCCTAAGAATGATGAGGCTTCTTATGAAAAGA
 TGCTGAAGCTGAGGCGGGAGTTCAGCAGAGCCATAACAATTTTGAAATGATTAAGAGAAGAGAGAAAAAC
 CAAACGGGAATTATTGCACTTAACGCTGGAAGTTGTGAAAAAAGATATCATTTGGGAGACTATGGGGGT
 GAAATCCTTAATGAAGTGAAAGTTAATAGATCAGAAAAAGAGTTATATGCCAGTCCAGCAACTCTTCATA
 ATGGAAATCATCAAAAGTTCAAGAATGTAACTAAGCACCCCTCATCTTTGTCTTTGAAAGAAGAGGC
 TTCTGACGTGGTCCGTCAAAAGAAGAAGCACCCCAAGAAGCCTAAGGCAGAGGCTGTGCTAGCCCCGCCG
 CAGCCCACTCCTGAGACAGTGCCTGTGATCAATAAGAGTGACATTAAGCAATATGACTTTAGAGCTCAG
 ATGAAGATGAATTTCCACAGGTACCATCTCCAGCATCAGAACCTGAAGAAGAAAAATGATCCTGATGGTCC
 CTGTGCTTTTCAGAAGGCGGGCAGGATGCCAGTATTATGCTCCGCGTTTGACCAAGCTAATAACCATCCG
 TGTGAAAGTTCAGAGTTGGCAGACTTGGATAAGTTGAGGTATAAGCATTGTCTCAACACTTACAGTTC
 CAAGAAGATGTATAGGGTTTGCCAGGAGGCGAATTGGCAGGGGTGGAAGGGTCATAATGGACCGAATATC
 CACAGAACATGACCCGTCCTAAAACAGATAGACCCTGAGATGCTGAATGGGCTTTCAAGCTCTTCCCAA
 ACTATAGACTTTTCTTAATTTCTCTCGGACCAATGCTTCCAGTAAACCTTGTAAGAAATAGACTGTCCC
 TTTCTGAAATATTAAGCAATATCAGATCATGTCGACTACAGTGTTCCAGCCAAGGCTACTAAATGTACA
 GGACATTGATAGTGAAGAATGTACCTCAAGAAAACAGGGCAGACTGTGAGCAGTAAAAGGGTTTCTGCA
 GCATCTGTAGCTTTATTGAACACCAGCAAGAACGGCATATCAGTCACAGGGGGCATCACAGAAGAGCAGT
 TTCAGACACATCAACAGCAGCTAGCTCAAATGCAAAGGCAGCAACTCGCGCAGCTTCAGCAGAAACAGCA
 ATCCCAGCATTCTCACAGCAGACATCCAAAAGCACAGGGCTCAAGCACCTCGGACTGTATGTCTAAA
 ACATTGACTCAGCCAGCGCCCACTTTGCTGCATCTGCACTGGTCACTGCTCCTGTTCCAAGTCGCAGTG
 AGGGATCTAAGGAACAGAACTGGCCACAACAATATGAATGGTGTGTCAGCCTTCAGGACCTCTAA
 AACATTATATCCACCAATATGGCTTTATCATCCAGCCAGGGATTTAGCTGTACAGCTTGTAAAGGACA
 GTTGGCCACACTACTACAAACCACTTGATCCAGCGTTGTGCACAAGCAGTCCTCAGACACTTCCCATGA
 ACAATTCCTGCCTGACCAATGCAGTGCACCTCAATAATGTCAGTGTTGTTTCTCCTGTCAATGTGCATAT
 CAATACACGGACTTCAGCACCATCGCCAACAGCCTTAAACTTGCCACAGTTGCTGCCAGTATGGACAGA
 GTGCCAAAGTTACTCCAGCAGTGCCATCAGCAGCATAGCCAGAGAGAACCATGAACCAGAAAGACTGG
 GTTTAAATGGAATAGCAGAGACAACAGTAGCTATGGAAGTGACATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001108581

Insert Size:

2427 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:	<u>NM_001108581.1, NP_001102051.1</u>
RefSeq Size:	3686 bp
RefSeq ORF:	2427 bp
Locus ID:	362132
Cytogenetics:	3q12