

Product datasheet for **RR210139**

Epor (NM_017002) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epor (NM_017002) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epor
Synonyms:	MGC108723
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210139 representing NM_017002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAACTCAGGGTGGCCCGCTGGCCCTCGGGTTAGCCCCCTGTGTCTCTACTTGTGTTGGGCGAGCCT
 GGGCATCCTCACCCAGCCTCCCGAGCCCAAGTTTGAGAGCAAAGCCGCCCTGCTGGCATCCCGGGGCTC
 CGAAGAATTCTATGCTTACCCAGCGCTTGAAGACTTGGTGTGTTTCTGGGAGGAAGCGGCGAACTCC
 GGGATGGGCTTCAACTACAGTTCTCTTACCAGCTCGAAGGTGAATCAAGAAAGTCATGTCGCCTGCACC
 AGGCGCCACCGTCCGCGGCTCCATGCGTTTCTGGTGTCTACTGCCGACCGGGACAGTCGAGTTTTGT
 GCCACTGGAGTGCAGGTGACCGAGGCCTCCGGATCTCCTCGCTACCACCGCATCATCCATCAATGAA
 GTAGTGTCTTGACGCCCGCGGGGCTGCTGGCGGCCGAGCAGAAGAGGGCAGCCACGTGGTGTCTGC
 GGTGGTGCACCTCCCGGGCTCCTATGACCACCCACATCCGCTACGAGGTGGACGTGTCAGCAGGCAA
 CCGGGCTGGGGGACACAAAGGGTGGAGTCTGGAAGGCCGACTGAGTGTCTGAGCAACCTGCGG
 GCGGGGACGCGCTACACCTTCGCTGTTGAGCAGCGATGGCCGAGCCGAGCTTACAGCGATTCTGGAGCG
 CCTGGTCTGAGCCCGCTCGCTACTGACTGCTAGCGACTTGGACCCTCTCATCTTGACGCTGTCTCTCAT
 TCTCGTCTCATCTCACTGTTGCTGACTGTGCTGGCCCTGCTGTCCCACCGCCGGGCTCTGCGGCAGAAG
 ATCTGGCTGGCATCCCAAGCCAGAGAATGAGTTTGAGGGTCTCTTACCACCCACAAGGGTAACCTCC
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 TGCCACCTAGAGGTCTCTCAGAGCGACTGGGGAGTACTCAGGCTGGGGATGCAGGGGCAGAGGAC
 AAGGGGCCCTTACTGGAGCCAGTGGGCAGTGGCGGGCCAGGACACCTACCTGGTATTGGATGAATGGT
 TGCTACCCCGGTGCCATGCAGTGAGAACCTCTCTGGCCCTGGGGACAGTGTAGACCTCGGACTATGGA
 TGAAGGTTGAGAAACATCTTCTGCCCCCTGACTTGGCTTCAAAGCCAGGCCAGAGGGCACCTCGCCT
 TCCAGCTTGGAGTACACCATCCTGGACCCAGCTCTAAGCTCCTGTGCCCTCGGGCACTGCCTCCTGAGC
 TACCCCCACTCCACCTCACCTGAAGTACCTGTACCTTGTGGTGTCCGATTCCGGCATCTCAACAGATTA
 CAGCTCAGGGGGCTCCAGGGAGTCCACGGGGACTCATCTGACGGCCCTACTCCACCCCTATGAGAAT
 AGCCTTGTCCAGACACAGACCTCTGCGGCCAGCTACGTGGCCTGCTCC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210139 representing NM_017002
 Red=Cloning site Green=Tags(s)

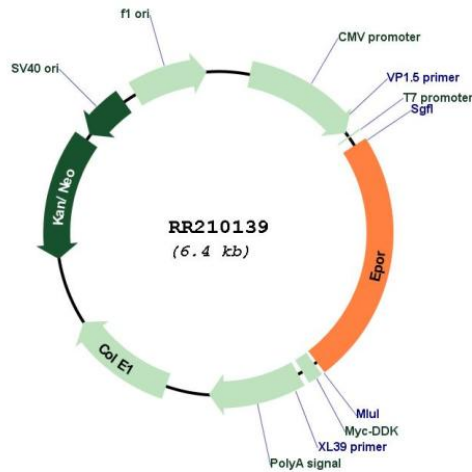
MDQLRVARWPRVSPLCLLLAGAAWASSPSLPDPKFESKAALLASRGSEELLCTFQRLLEDLVCFWEEAANS
 GMGFNYSFSYQLEGESESRKSCRLHQAPTVRGSMRFWCSLPTADTSSFVPLELQVTEASGSPRYHRIHINE
 VVLLDAPAGLLARRAEEGSHVLRWLPPPGAPMTTHIRYEVDSAGNRAGGTQRVEVLEGRTECVLSNLR
 GGTRYTFAVRARMAEPSFSGFWSAWSEPAALLTASDLPLILTLISLILVLSLLLTVLALLSHRRALRQK
 IWPGIPSPENEFEGFLFTTHKGNFQLWLLQRDGLWSPSPFPEDPPAHLEVLSEHWGVTQAGDAGAED
 KGPLLEPVGSERAQDYLVLDEWLLPRPCSENLSGPGDSVDPATMDEGETSSCPSDLASKPRPEGTSP
 SSFEYTIIDPSSKLLCPRALPPELPPTPHLKYLVLVSDSGISTDYSSGGSQGVHGDSSDPYSHPYEN
 SLVPDTEPLRPSYVACS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN: NM_017002

ORF Size: 1521 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017002.2](#), [NP_058698.2](#)

RefSeq Size: 1794 bp

RefSeq ORF: 1524 bp

Locus ID: 24336

Cytogenetics: 8q13

MW: 55.5 kDa

Gene Summary: binds erythropoietin and induces an increase in cytosolic calcium ion concentration [RGD, Feb 2006]