

Product datasheet for **MR208157**

Epor (NM_010149) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epor (NM_010149) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epor
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208157 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAAACTCAGAGTGCCCTCTGGCCTCGGGTAGGCCCTCTGTCTCTACTTGTGTTGGGCGAGCCT
 GGGCACCTTACCCAGCCTCCCGACCCCAAGTTTGAGAGCAAAGCGCCCTGCTGGCATCCCGGGGCTC
 CGAAGAATTCTGTGCTTACCCAAACGCTTGAAGACTTGGTGTGTTTCTGGGAGGAAGCGGCGAGCTCC
 GGGATGGACTTCAACTACAGTTCTCATACCAGCTCGAGGGTGAGTACGAAAAGTCATGTAGCCTGCACC
 AGGCTCCACCGTCCGCGGCTCCGTGCGTTTCTGGTGTCACTGCCAACAGCGGACACATCGAGTTTGT
 GCCGCTGGAGCTGCAGGTGACGGAGGCGTCCGTTCTCCTCGCTATCACCGCATCATCCATCAATGAA
 GTAGTCTCTGGACGCCCGCGGGGCTGCTGGCGCGCCGGCAGAAGAGGGCAGCCACGTGGTGTGCTG
 GCTGGCTGCCACCTCTGGAGCACCTATGACCACCCACATCCGATATGAAGTGGAGCTGTCGGCAGGCAA
 CCGGGCAGGAGGGACAAAAGGGTGGAGTCTGGAAGGCCGACTGAGTGTGTTCTGAGCAACCTCGCG
 GCGGGGACGCGCTACACCTTCGCTGTTGAGCGCGCATGGCCGAGCCGAGCTTCAGCGGATTCTGGAGTG
 CCTGGTCTGAGCCCGCTCACTACTGACCGCTAGCGACCTGGACCCTCTCATCTTGACGCTGTCTCAT
 TCTGGTCTCATCTCGTTGTGCTGACGGTCTGGCCCTGCTGTCCCACCGCCGGACTCTGCAGCAGAAG
 ATCTGGCTGGCATCCCAAGCCAGAGAGCGAGTTTGGGGTCTCTTACCACCCACAAGGGTAACCTCC
 AGCTGTGGCTGCTGCAGCGTGATGGTTGTCTGTGGTGGAGCCCGGGCAGCTCCTTCCCTGAAGATCCACC
 TGCCACCTAGAGTCTCTCAGAGCCACGCTGGCAGTTACTCAGGCTGGGGACCCAGGGGAGATGAT
 GAGGGGCCCTTACTGGAGCCGGTGGCAGTGAGCATGCCAGGACACCTACTTGGTATTGGATAAGTGGT
 TGCTGCCCGGACCCATGCAGTGAGAACCTCTCAGGGCCTGGGGCAGTGTGGACCTGTGACTATGGA
 TGAAGCTTCAGAAACATCTTCTGCCCGTCTGACTTGGCCTCAAAGCCAGGCCAGAGGGCACCTCACCT
 TCAGCTTTGAGTACACCATCTGGACCCAGCTCTCAGCTCCTGTGCCCTCGGGCAGTCCCTCCGAGC
 TACCTCCCACTCCACCTCACTTGAAGTACCTATACCTTGTGGTGTCCGATTCTGGCATCTCAACAGATTA
 CAGTTCGGGGGGCTCTCAGGGAGTCCACGGGGACTCATCTGATGGCCCTACTCCACCCCTATGAGAAC
 AGCCTTGCCAGACTCAGAGCCTCTGCATCCCGGCTATGTGGCCTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208157 protein sequence
 Red=Cloning site Green=Tags(s)

MDKLRVPLWPRVGPLCLLLAGAAWAPSPSLPDPKFESKAALLASRGSEELLCTFQRLDLCVFWEEAASS
 GMDFNYSFSYQLEGESRKSLSLHQAPTVRGSRVFWCSLPTADTSSFVPLELQVTEASGSPRYHRIHINE
 VVLLDAPAGLLARRAEEGSHVLRWLPPPAPMTTHIRYEVDSAGNRAGGTQRVEVLEGRTECVLSNLR
 GGTRYTFAVRARMAEPSFSGFWSAWSEPASLLTASDLPLILTLILVLIISLLLTVLALLSHRRTLQOK
 IWPGIPSESEFEGLFTTHKGNFQLWLLQRDGCLWSPGSSFPEDPPAHLEVLSEPRWAVTQAGDPGADD
 EGPLLEPVGSEHAQDLYLVLDKWLPRTPCSENLSPGGSDPVTMDEASETSSCPDLASKPRPEGTSP
 SSFEYITLDPSSQLLCPRALPELPPTPHLYLVVSDSGISTDYSSGGSQGVHGDSSDPYSHYPYEN
 SLVPDSEPLHPGYVACS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010149

ORF Size: 1524 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_010149.1](#), [NM_010149.2](#), [NM_010149.3](#), [NP_034279.3](#)

RefSeq Size: 1829 bp

RefSeq ORF: 1524 bp

Locus ID: 13857

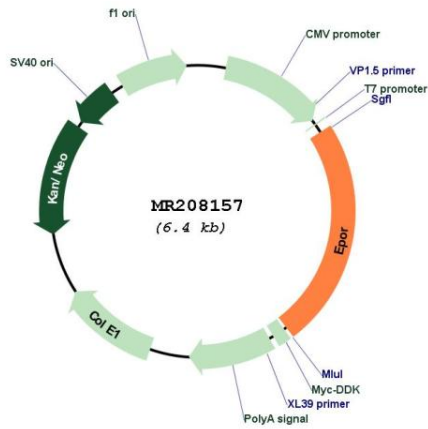
UniProt ID: [P14753](#)

Cytogenetics: 9 7.93 cM

MW: 55.2 kDa

Gene Summary: Receptor for erythropoietin. Mediates erythropoietin-induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208157