

Product datasheet for **MC219149**

Epn1 (NM_010147) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn1 (NM_010147) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epn1
Synonyms:	AA269831; lbp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219149 representing NM_010147
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGACCTCATCGCTGCGGCGTCAGATGAAGAATATCGTCCACAACACTACTCAGAGGCTGAGATCAAGG
 TCCGCGAGGCCACAAGCAATGATCCCTGGGGCCCATCCAGCTCCCTCATGTGAGAGATTGCTGACCTCAC
 CTAACAATGTTGTGGCCTTCTCCGAGATCATGAGCATGATCTGGAAGCGGCTCAATGACCACGGCAAGAAC
 TGGAGGCACGTCTACAAGGCCATGACGTTGATGGAGTACCTCATCAAGACTGGCTCTGAGCGTGTATCAC
 AACAGTGCAAAGAGAACATGTATGCTGTGCAGACGCTGAAGGACTTCCAGTATGTGGACCGTGATGGCAA
 GGACCAGGGTGTGAATGTGCGGGAGAAGGCCAAGCAGCTGGTGGCTTTGCTGCGTGATGAGGATCGGCTC
 CGGGAGGAGCGGCCACGCGCTCAAGACCAAGGAGAAGCTGGCAGACTGCCACGGCCTCCTCAGCAG
 CCGTGGGCTCTGGACCACCTCCCGAGGCGGAGCAGGCATGGCCACAGAGCAGCGGGAGGAGGATTGCA
 GCTCCAGCTGGCCCTGGCTATGAGCAAGGAGGAGGCCAGCCCGTCTGCGGCCCTGAGGATGAC
 GTCAGCTCCAGCTGGCCCTTAGTTTGGCCGAGAGGAGCAGATAAGGAAGAGCGGATCCGTCGTGGGG
 ATGACCTGAGGCTGCAGATGGCAATAGAGGAGAGCAAGAGGGAGACTGGGGGCAAGGAGGAGTCACTCT
 CATGGATCTTGCTGATGTCTTACAACCCAGCGCCTCCACAGGCCTCAGACCCTTGGGGGGGCCGGCA
 TCTGTGCTACTGCTGTCCCTGTGGCTGCTGCCGCTTCCAGACCCTTGGGGGGGACCTGCTGTCCCTCCAG
 CTGCTGATCCTTGGGGTGGTGCAGCCCCACACCAGCCTCAGGGGATCCCTGGAGGCCTGCAGCCCTAC
 AGGGCCCTCTGTTGATCCTTGGGGTGGGACCCAGCTCCTGCAGCTGGAGAGGGGCCACCCCTGACCCG
 TGGGAAGCTCTGATGGTGGGCTCCTGTGAGTGGGCCCCATCTTCTGACCCCTGGGCACCTGCCCCGG
 CTTTCTCAGACCCTGGGGAGGCTCACCTGCAAAGCCAGCAGCAACGGCACTGCAGTTGGGGCTTGA
 CACAGAGCCTGATGAGTTCTCAGACTTCGACCTCCGCACTGCCCTGCCAACCTCTGGGAGCAGCAGC
 GGGGAGTTGGAGTTGCTCGCAGGAGAGGTGCTGCTCGCAGCCCTGGGGATTTCGACATGAGTGGGGTTG
 GGGGATCTCTGGCTGAGTCTGTGGGAGTCCCCACCTGCTGCAACCCCAACTCCACCCCCCAACACG
 GAAGACTCCGGAGTATTCTAGGCCCTAATGCAGCCCTTGTGGATCTGGACTCGTGGTGGAGCCGACCA
 GGCCCCACACCACAGGATCCAAGGCTTCAACCCATTCTTCCAAGCGGAGCTCCGCCACAGGCCCT
 CTGTACCAATCCTTCCAGCCAGCACCCTGCAACGCTCACCTGAACCAGCTCCGTCTCAGTCTGT
 GCCCCAGTTCCTGGAGCGCCACCCACTACATCTCTCCTTGGTGGAGGCCCTGGCCTGCCCCCATG
 ATGCCCCAGTCCCCAGCCCCAACACTAACCCCTTCTCCTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010147
- Insert Size:** 1728 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_010147.4](#), [NP_034277.1](#)

RefSeq Size: 2582 bp

RefSeq ORF: 1728 bp

Locus ID: 13854

UniProt ID: [Q80VP1](#)

Cytogenetics: 7 A1

Gene Summary: Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). Modifies membrane curvature and facilitates the formation of clathrin-coated invaginations (By similarity). Regulates receptor-mediated endocytosis.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.