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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; Ibp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGACCTCATCGCTGCGGCGTCAGATGAAGAATATCGTCCACAACTACTCAGAGGCTGAGATCAAGG
TCCGCGAGGCCACAAGCAATGATCCCTGGGGCCCATCCAGCTCCCTCATGTCAGAGATTGCTGACCTCAC
CTACAATGTTGTGGCCTTCTCCGAGATCATGAGCATGATCTGGAAGCGGCTCAATGACCACGGCAAGAAC
TGGAGGCACGTCTACAAGGCCATGACGTTGATGGAGTACCTCATCAAGACTGGCTCTGAGCGTGTATCAC
AACAGTGCAAAGAGAACATGTATGCTGTGCAGACGCTGAAGGACTTCCAGTATGTGGACCGTGATGGCAA
GGACCAGGGTGTGAATGTGCGGGAGAAGGCCAAGCAGCTGGTGGCTTTGCTGCGTGATGAGGATCGGCTC
CGGGAGGAGCGCGCCCACGCGCTCAAGACCAAGGAGAAGCTGGCACAGACTGCCACGGCCTCCTCAGCAG
CCGTGGGCTCTGGACCACCTCCCGAGGCGGAGCAGGCATGGCCACAGAGCAGCGGGGAGGAGGAGTTGCA
GCTCCAGCTGGCCCTGGCTATGAGCAAGGAGGAGGCCGACCAGCCCCCGTCCTGCGGCCCTGAGGATGAC
GTCCAGCTCCAGCTGGCCCTTAGTTTGAGCCGAGAGGAGCACGATAAGGAAGAGCGGATCCGTCGTGGGG
ATGACCTGAGGCTGCAGATGGCAATAGAGGAGAGCAAGAGGGAGACTGGGGGCAAGGAGGAGTCATCTCT
CATGGATCTTGCTGATGTCTTCACAACCCCAGCGCCTCCACAGGCCTCAGACCCTTGGGGGGGCCCGGCA
TCTGTGCCTACTGCTGTCCCTGTGGCTGCTGCCGCTTCAGACCCTTGGGGGGGACCTGCTGTCCCTCCAG
CTGCTGATCCTTGGGGTGGTGCAGCCCCCACACCAGCCTCAGGGGATCCCTGGAGGCCTGCAGCCCCTAC
AGGGCCCTCTGTTGATCCTTGGGGTGGGACCCCAGCTCCTGCAGCTGGAGAGGGGCCCACCCCTGACCCG
TGGGGAAGCTCTGATGGTGGGGCTCCTGTCAGTGGGCCCCCATCTTCTGACCCCTGGGCACCTGCCCCGG
CTTTCTCAGACCCCTGGGGAGGCTCACCTGCAAAGCCCAGCAGCAACGGCACTGCAGTTGGGGGCTTTGA
CACAGAGCCTGATGAGTTCTCAGACTTCGACCGACTCCGCACTGCCCTGCCAACCTCTGGGAGCAGCACG
GGGGAGTTGGAGTTGCTCGCAGGAGAGGTGCCTGCTCGCAGCCCTGGGGCATTCGACATGAGTGGGGTTG
GGGGATCTCTGGCTGAGTCTGTGGGGAGTCCCCCACCTGCTGCAACCCCAACTCCCACCCCCCCAACACG
GAAGACTCCGGAGTCATTCCTAGGCCCTAATGCAGCCCTTGTGGATCTGGACTCGCTGGTGAGCCGACCA
GGCCCCACACCACCAGGATCCAAGGCTTCCAACCCATTCCTTCCAAGCGGAGCTCCGCCCACAGGCCCCT
CTGTCACCAATCCTTTCCAGCCAGCACCCCCTGCAACGCTCACCCTGAACCAGCTCCGTCTCAGTCCTGT
GCCCCCAGTTCCTGGAGCGCCACCCACCTACATCTCTCCTCTTGGTGGAGGCCCTGGCCTGCCCCCCATG
ATGCCCCCAGGTCCCCCAGCCCCCAACACTAACCCCTTCCTCCTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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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).

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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.

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