

Product datasheet for **RR210922**

Epn1 (NM_057136) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn1 (NM_057136) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210922 representing NM_057136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGACATCATCGCTGCGGCGTCAGATGAAGAATATCGTCCACAACACTACTCAGAGGCAGAGATCAAGG
 TCCGGGAGGCCACAAGCAATGATCCCTGGGGCCATCCAGCTCCCTCATGTGAGAGATTGCTGACCTCAC
 CTAACAATGTTGTGGCCTTCTCCGAGATTATGAGCATGATCTGGAAGCGGCTCAACGACCATGGCAAGAAT
 TGGAGGCACGTCTACAAGGCCATGACGTTGATGGAGTACCTCATCAAGACTGGCTCTGAGCGTGTATCAC
 AACAGTGCAAAGAGAACATGTATGCTGTGCAGACGCTGAAGGACTTCCAATATGTGGACCGTGATGGCAA
 GGACCAGGGTGTGAATGTGCGGGAGAAGGCCAAGCAGCTGGTGGCTTTGCTGCGTGATGAGGATCGGCTT
 CGGGAGGAGCGCGCCACGCGCTCAAGACCAAGGAGAACTGGCACAGACTGCCACGGCTTCTCAGCAG
 CTGTGGGCTCTGGACCACCTCCCGAGGCGGAGCAGGCATGGCCACAGAGCAGCGGGAGGAGGATTGCA
 GCTCCAGCTGGCCCTGGCTATGAGCAAGGAGGAGCTGACCAGCCCCGTCTGCGGCCCGAGGATGAC
 GTCAGCTCCAGCTGGCCCTTAGTTTGGCCGAGAGGAGCAGATAAGGAAGAGCGGATCCGTCGTGGGG
 ATGACCTGAGGCTGCAGATGGCAATAGAGGAGAGCAAGAGGGAGACTGGGGGCAAGGAGGAGTCACTCT
 TATGGATCTTGCTGACGCTTTCACAACCCAGCCCTCCACAGGCCTCAGACCCTTGGGGGGCCCGGCA
 TCTGTGCTACTGCTGTCCCTGTGGCTGCTGCTGCCTCAGACCCTTGGGGGACCTGCTGTCCCTCCAG
 CTGCTGATCCTTGGGGTGGTGCAGCCCCACGCCAGCCTCCGGGGATCCTTGGAGGCTGCAGCCCTAC
 AGGGCCCTCTGTTGACCTTGGGGTGGGACCCAGCTCCTGCAGCTGGAGAGGGGCCACATCTGACCCG
 TGGGAAGCGCTGATGGTGGGGCCCTGTCAGTGGACCCCATCTCTGACCCCTGGGCACCTGCCCCAG
 CTTTCTCAGACCCTTGGGGAGGTTCACTGCAAGGCCAGCAGCAATGGCACTGCAGTTGGGGGCTTGA
 CACTGAGCCCGATGAGTTCTCAGACTTCGACCGACTCCGCACTGCCCTGCCAACCTCTGGGAGCAGCACA
 GGGGAATTGGAGTTGCTCGCAGGGGAGTTCTGCTCGCAGCCCCGGGGATTTCGACATGAGTGGGGTTG
 GGGGATCTCTGGCTGAGTCTGTGGGGAGTCCCCCTCCTGCGGCAACCCCAACTCCTACCCCGCAACACG
 GAAGACTCCGGAGTATTCTAGGCCCTAATGCAGCCCTTGTGGACTTGGACTACTGGTGGAGCCGACCA
 GGCCCTACACCGCAGGAGCCAAGGCTTCCAACCCATTCTTCCAAGTGGAGCTCCGGCCACCGGCCCT
 CCGTACCAATCCTTCCAGCCAGCACCCTGCAACGCTCACCTGAACCAGCTCCGTCTCAGTCTGT
 GCCCCAGTTCCTGGAGCGCCACCCACTACATCTCCTCTTGGTGGAGGCCCTGGCTGCCCCCATG
 ATGCCCCGGTCCCCAGCCCCAACACTAACCCCTTCTCCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210922 representing NM_057136
 Red=Cloning site Green=Tags(s)

MSTSSLRQMKNIHVHNYSEAEIKVREATSNDPWGPSSSLMSEIADLTYNVVFSEIMSMIWKRLNDHGKN
 WRHVYKAMTLMEYLKGTSERVSQQCKENMYAVQTLKDFQYVDRDQKQDQVNVREKAKQLVALLRDEDRL
 REERAHALKTKKLAQTATASSAAVGSGPPPEAEQAWPQSSGEEELQLQLALAMSKEEADQPPSCGPEDD
 VQLQLALSLSREEHDKEERIRRGDDLRLQMAIEESKRETTGGKEESSLMDLADVFTTPAPPQASDPWGGPA
 SVPTAVPVAAAAADPWGAPAVPPAADPWGGAAPTASGDPWRPAAPTGPSVDPWGGTPAPAAGEGPTSDP
 WGSADGGAPVSGPPSSDPWAPAPAFSDPWGGSPAKPSSNGTAVGGFDTEPDEFSDFDRLRLALPTSGSST
 GELELLAGEVPARSPGAFDMSGVGGSLAESVSGPPPAATPTPTPTRKTPESFLGPNAALVDLDSLVSRLP
 GPTPPGAKASNPFLPSGAPATGPSVTNPFQAPPATLTLNQLRLSPVPPVPGAPPTYISPLGGGGLPPM
 MPPGPPAPNTNPFLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

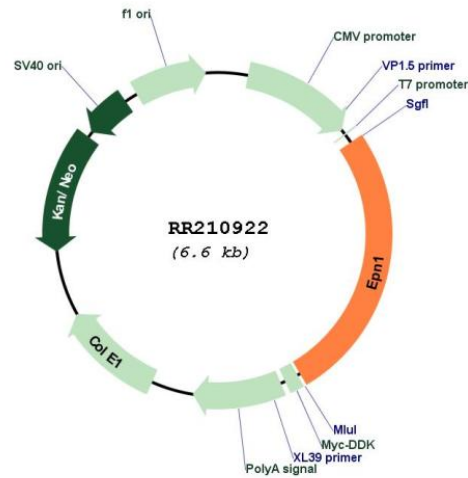
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_057136

ORF Size:	1725 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:	<ol style="list-style-type: none">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_057136.1 , NP_476477.1
RefSeq Size:	2047 bp
RefSeq ORF:	1728 bp
Locus ID:	117277
UniProt ID:	O88339
Cytogenetics:	1q12
MW:	60.2 kDa
Gene Summary:	mediates the formation of clathrin-coated invaginations on the plasma membrane [RGD, Feb 2006]