

Product datasheet for **RR213846**

Epn3 (NM_001024791) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn3 (NM_001024791) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213846 representing NM_001024791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAACCTCTGCGCTCCGACGCCAGGTGAAGAACATTGTTCACTACTCTGAGCCGAGATCAAGG
 TCCGTGAAGCCACCAGCAATGACCCCTGGGGCCACCAGTTCGTCATGTCAGAGATTGCTGACCTGAC
 CTTCAACACAGTGGCCTTTGCCGAGTTATGGGTATGGTGTGGCGCGGCTCAACGACAGTGGTAAGAAC
 TGGCGGCATGTATAAAGGCTCTGACACTGTTGGACTACCTGCTCAAGACGGGCTCGGAGCGAGTGGCAC
 ACCAGTCCGTGAGAACCCTACACCATCCAGACTCTCAAGGACTTCCAGTATATTGACCGCGATGGCAA
 GGACCAAGGCGTCAATGTTCTGAGAGAAGGTCAAACAGGTGATGGCCCTTCTCAAGGACGAGGAGCGCCTG
 CGACAAGAGCGAACCATGCTCTCAAGACCAAAGAGCGAATGGCTCTGGAAGGCATGGGCATTGGCAGCG
 GGCAGCTGGGCTTCAGCCGAGATCTCGGGCTCCCCCTTTCTTACACATCTGCATCCTCGTCCCGCGG
 CTATGCCTCAGACTTGGAGCAGCAAGGCCCCAGACTTCTGGAGAAGAGGAGCTGCAGCTACAGCTGGCC
 TTGGCCATGAGCCGTGAAGAAGCTGAAAAGGGGGGAGATCCTGGAAGGGAGATGACTTTCAGTGGCCA
 ATGGCGCGGAACCTGCTGGCCAACGTCGACGGGACAGAGAGCCCGAGAGAGAAGAGAGAAAGGAGGAGGA
 GAAGCTGAAAAGTACCCAGTCTCCATCCTGGACTTGGCTGATGTCTTCGCACCTGCCCCGGCCCTGCCT
 TCCACACACTGCTCTGCTGACCCATGGGACATCCAGGTCTCAGGCCGAACACAGAGCCAAGTGGCTCCT
 CTTGGGGACCCTCTGCAGACCCCTGGTCTCCAGTGCCTCTGGGAATGCCTGTCCCGAAGCCAGCCTTG
 GGATTTACTTCTACTCTTTCTCTCTGAGCCCTGGGGCAGGACCCAGTGTGCCTTCTGGACCCCC
 ATCACAGACCCCTGGGCACCAAGCTCCCTACCCAAAAGTCCCCAGCACTGGAGTGGACCTTGGGGGG
 CCTCTGTGGAGAGCTAACACCTCTGCTTAGGTGGTGCCTCGCCCTTCGACCCATTGCCAAAACCTCT
 AGAATCCACAGAACCATGGAGAGCCGGGACAGTGCCCAAGCCCTGCCCAAGGAAAGTCCCCAGCCCT
 GTGGAGCTAGACCATTGGAGACTCCAGCCCGAGTTGCAAAACAAAATGGTGTGAAGGAGACTGAAGCTC
 TTGACCTGGGTGTGCTAGGAGAGGCGCTAACGCAGCAGCCAGGAAAGGAAGCGCGCCCTGCCGACTCC
 AGAGTCTTCTGGGCCCTCTGCCTCTTCTTTGGTCACTTGGACTCACTAGTCAAGGCACCCCTGGCT
 GCAAGGACCCGGAACCCCTTCTTACAGGTCTGAGTGTCCGTCACCCACTAATCCGTTTGGCGCAGGCG
 AACAGGGCAGGCCGACCCTGAACCAGATGCGCACCGGCTCCCTGCGCTGGGCTGCCGCCGGGAGGACC
 CGTCGGGGTGCCTTTGGGCTCAATGACCTACAGCGCTCCCTGCCCTTCCGCTCAGCAGCGTCCCGGTC
 GGCAGCACCCTCCCGCCTCGGTACGCTTCCACAAGCGGGAGCCTTCGCCCGCCCGCCGGCAGCC
 TGCTCAGCCGTTGCTGCCACGTCAGACCCGGTGGGGCCATTGCCCCCGCAGGCTGGCACTAATCCCTT
 CTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213846 representing NM_001024791
 Red=Cloning site Green=Tags(s)

MTTSALRRQVKNI VHNYSAEIKVREATSNDPWGPSSLMSEIADLTFNTVAF AEVMGMVWRR LND SGKN
 WRHVKAL TLLDYLLKTGSERVAHQRENLYTIQTLKDFQYIDRDGKDQGVNREKVKQVMALLKDEERL
 RQERTHALKTKERMALEGMIGSGQLGFSRRSRGSPSSYTSASSSPRYASDLEQARPQTS GEEELQLQLA
 LAMSREEAEKGGRSWKGD DFPVANGAEPAGQRRRDREPEREERKEEEKL KTSQSSILDLADVFAPALP
 STHCSADPWDIPGLRPNTEPSGSSWGPSADPWPSPVPSGNALSRSQPWDL LPTLSSSEPWGRTPVLPSPGP
 ITDPWAPSSPTPKLPSTGVDPW GASVETSNTSALGGASPFDPFAKPLESTEPMESRDSAQALPKGKSPSP
 VELDPFGDSSPSCKQNGVKETEALDLGVLGEAL TQQPGKEARPCRTPE SFLGPSASSLVNLDL SVKAPLA
 ARTRNPF LTGLSAPSPTNPF GAGEQGRPTLNQMRTGSPALGLPPGGPVGVPLGSM TYSASLPLPLSSVPV
 GATLPASVSVFPQAGAFAPPPASLPQPLLPTSDPVGPLPPQAGTNPFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001024791.1 , NP_001019962.1
RefSeq Size:	3522 bp
RefSeq ORF:	1827 bp
Locus ID:	360605
UniProt ID:	Q4V882
Cytogenetics:	10q26
MW:	65 kDa