

## Product datasheet for **MR209650**

### **Epn3 (NM\_027984) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Epn3 (NM_027984) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epn3
Synonyms:	2310022G12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR209650 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAACCTCTGCACTCCGCCAGGTGAAGAACATTGTTCACACTACTCTGAGCCGAGATCAAGG  
 TCGTGAGGCCACCAGCAATGACCCCTGGGGCCACCCAGTTCTCTCATGTGAGAGATTGCTGACCTGAC  
 CTTCAACACGGTGGCCTTTGCTGAGGTTATGGGGATGGTGTGGCGGAGGCTCAATGACAGCGTAAGAAC  
 TGGCGACACGTATAACAAGGCTCTGACACTATTGGACTACCTGCTCAAGACGGGCTCAGAAGCTGTGGCC  
 ACCAGTGCCGCGAGAACCCTTACACTATCCAGACTCTCAAGGACTTCCAGTATATTGACCAGATGGCAA  
 GGATCAGGGCGTCAATGTTGCTGAGAAGGTCAAACAGGTGATGGCCCTTCTCAAGGATGAGGAGCGCCTG  
 CGGCAAGAGCGAACCCTGCTCTCAAGACCAAAGAGCGAATGGCCCTGGAAGGCATGGGTATTGGCAGCG  
 GGCAGCTGGGCTACAGCCGAGATCTCGGGCTCCCCCTCTTCTTACACGTCCGCATCTTCGTCGCCGCG  
 CTATGCCTCAGACTGGAGCAGGCGGGCCTCAGACTTCTGGAGAAGAAGAGCTGCAGCTGCAGCTGGCC  
 TTGGCCATGAGTCGCGAAGAGGCTGAAAGGCCAGTCCCCCAGCCTCCCACAGGGATGAGGACCTGCAGC  
 TGACGCTGGCTCTGAGCCTGAGCCGGAAGAGCATGAGAAGGGGGTGGAGTCTGGAAGGGAGATGACTC  
 TCCAGTGGCCAACGGCGCAGAACCCTGCTGGCCAACGTCGTCAACGGGACAGGGAGCCTGAGAGAGAAGAG  
 AGAAAGGAGGAGGAGAAGCTGAAAAGTGTGAGTCCCTCCATCCTGGACTTGGCTGACATCTTCGCACCTG  
 CCCCAGCCCTGCCTTCCACACTGCTCTGCTGACCCATGGGACATCCCAGGCTCAGGCCGAACACAGA  
 GCCAAGTGGCTCCTCTTGGGGACCTTCTGACAGCCCTGGTCTCCAGTCCCTCTGGAATGCCCTGTCC  
 CGAAGCCAGCCTTGGGATTTGCTTCTACTCTTCTTCTCTGAGCCCTGGGGCAGGACCCAGTGTAC  
 CTTCTGGACCCCATCGCAGACCCCTGGGCACCAAGTCCCCTACCCGAAACTCCCAGCACTGGAGC  
 AGACCCTTGGGGGCCTCTATGGAGACCTCTGACACCTCTGCTCTAGGTGGTGCCTCGCCCTTCGACCCA  
 TTTGCCAAACCTCTAGAATCCACAGAACCAAGGAGAGCCGGGACAGTCCCAGGCCCTGCCACGGGGA  
 AGTCCCCAGCACTGTGGAGCTAGACCCATTTGGAGACTCCAGCCCCAGTTGCAAGCAGAATGGCATGAA  
 GGAACCTGAAGCCCTTGACCTGGGTGTGCTAGGAGAGGCGCTACCGCAGCAGCCAGGAAAGGAAGCGCGC  
 CCCTGCCGGACTCCGGAGTCTTCTGGGCCCTCTGCCTCTTCTTTGGTCAACTGGACTCACTAGTCA  
 AGGCACCCCTGGCTGCAAGGACCCGGAATCCCTTCTGACAGGTCTGGGTGTTCCGTCCCCAACCAACCC  
 GTTTGGCGGGGCGATCAGGGCAGGCCACCCTAAACCAGATGCGTACCGGCTCCCCTGCTCTGGGCCTG  
 CCGCCGGGGGACCCGTGGGGCGCCCTGGGCTCTATGACCTACAGCGCTCTCTGCCCTTCCGCTCA  
 GCAGCGTGCCCGTAGGCGCGACCCTCCCGCCTCGGTACGCGTCTTCCCGCAAGCGGGAGCCTTCGCCCC  
 GCCGCCGGCGAGCTTGCCTCAGCCACTGCTGCCACGTCGCGCCAATGGGGCCGCTGCCCCGAGGCT  
 GGCACTAATCCCTTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

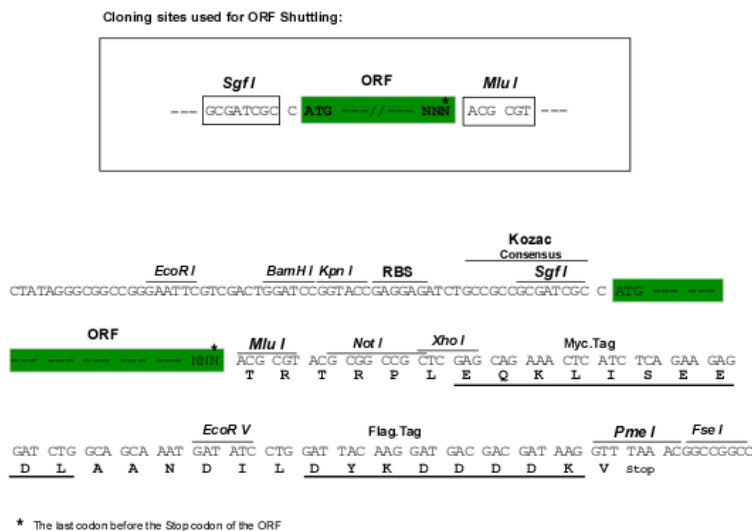
**Protein Sequence:** >MR209650 protein sequence  
Red=Cloning site Green=Tags(s)

MTTSALRRQVKNIHVHNYSEAEIKVREATSNDPWGPPSSLMSEIADLTFNTVAFAEVMGMVWRRLLNDSGKN  
 WRHVYKALTLDDYLLKTGSERVAHQRENLYTIQTLKDFQYIDRDGKDQGVNVREKVKQVMALLKDEERL  
 RQERTHALKTKERMALEGMGIGSQGLGYSRRSRGSPSSYTSASSSPRYASDLQARPQTSGEEELQLQLA  
 LAMSREEAERPVPASHRDEDLQLQLALS SRQEHEKGVRSWKGDSPVANGAEPAGQRRQDRPEREER  
 RKEEEKLKTSQSSILDLADIFAPAPALPSTHCSADPWDIPGLRPNTEPSGSSWGPSADPWSVPVPSGNALS  
 RSQPWDLPLTSSSEPWGRTPVLPSPGPIADPWAPSSPTRKLPSTGADPWGASMETSDTSALGGASPFDP  
 FAKPLESTEPKESRDSAQALPTGKSPSTVELDPFGDSSPSCKQNGMKEPEALDLGVLGEALPQQPGKEAR  
 PCRTPESFLGPSASSLVNLDLKVAPLAARTRNPFLTGLGVPSTNPFAGAGDQGRPTLNQMRTGSPALGL  
 PPGGPVGPVGSMTYSASLPLPLSSVPVGTALPASVSVFPQAGAFAPPPASLPQPLLPSTSGPMGLPPLPQA  
 GTNPFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027984

**ORF Size:** 1911 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\\_027984.3](#)

**RefSeq Size:** 3884 bp

**RefSeq ORF:** 1911 bp

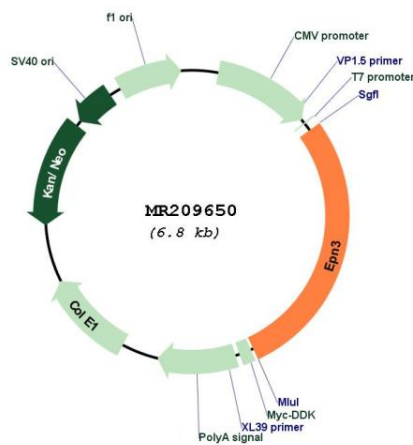
**Locus ID:** 71889

**UniProt ID:** [Q91W69](#)

**Cytogenetics:** 11 D

**MW:** 68.2 kDa

**Product images:**



Circular map for MR209650