

Product datasheet for **MG209650**

Epn3 (NM_027984) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn3 (NM_027984) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epn3
Synonyms:	2310022G12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209650 representing NM_027984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAACCTCTGCACTCCGCCCGCAGGTGAAGAACATTGTTCACTACTCTGAGCCGAGATCAAGG
 TCGGTGAGGCCACCAGCAATGACCCCTGGGGCCACCCAGTTCTCTCATGTGAGAGATTGCTGACCTGAC
 CTTCAACACGGTGGCCTTTGCTGAGGTTATGGGGATGGTGTGGCGGAGGCTCAATGACAGCGGTAAGAAC
 TGGCGACACGTATAACAAGGCTCTGACACTATTGGACTACCTGCTCAAGACGGGCTCAGAAGCTGTGGCC
 ACCAGTGCCGCGAGAACCCTTACACTATCCAGACTCTCAAGGACTTCCAGTATATTGACCGAGATGGCAA
 GGATCAGGGCGTCAATGTTCTGAGAGAAGGTCAAACAGGTGATGGCCCTTCTCAAGGATGAGGAGCGCCTG
 CGGCAAGAGCGAACCCATGCTCTCAAGACCAAAGAGCGAATGGCCCTGGAAGGCATGGGTATTGGCAGCG
 GGCAGCTGGGCTACAGCCGAGATCTCGGGCTCCCCCTTTCTTACACGTCCGCATCTTCGTCGCCCGG
 CTATGCCTCAGACTGGAGCAGGCGCGCCTCAGACTTCTGGAGAAGAAGAGCTGCAGCTGCAGCTGGCC
 TTGGCCATGAGTCGCGAAGAGGCTGAAAGGCCAGTCCCCCAGCCTCCCACAGGGATGAGGACCTGCAGC
 TGACGCTGGCTCTGAGCCTGAGCCGGAAGAGCATGAGAAGGGGGTGGAGTCTGGAAGGGAGATGACTC
 TCCAGTGGCCAACGGCGCAGAACCCTGCTGGCCAACGTCGTCAACGGGACAGGGAGCCTGAGAGAGAAGAG
 AGAAAGGAGGAGGAGAAGCTGAAAAGTGTGAGTCTCCATCCTGGACTTGGCTGACATCTTCGCACCTG
 CCCCAGCCTGCCTTCCACACTGCTCTGCTGACCCATGGGACATCCCAGGCTCAGGCCGAACACAGA
 GCCAAGTGGCTCCTTTGGGGACCTTCTGACAGCCCTGGTCTCCAGTCCCTCTGGAATGCCCTGTCC
 CGAAGCAGCCTTGGGATTTGCTTCTACTCTTTCTTCTCTGAGCCCTGGGCGAGGCCAGTGTACT
 CTTCTGGACCCCATCGCAGACCCCTGGGACCAAGTCCCCTACCCGAAACTCCCAGCACTGGAGC
 AGACCTTGGGGGCTCTATGGAGACCTCTGACACCTCTGCTCTAGGTGGTGCCTCGCCCTTCGACCCA
 TTTGCCAAACCTCTAGAATCCACAGAACCAAGGAGAGCCGGGACAGTGCACAGGCCCTGCCACGGGGA
 AGTCCCCCAGCACTGTGGAGCTAGACCCATTTGGAGACTCCAGCCCAAGTTGCAAGCAGAATGGCATGAA
 GGAACCTGAAGCCCTTGACCTGGGTGTGCTAGGAGAGGCGCTACCGCAGCAGCCAGGAAAGGAAGCGCG
 CCCTGCCGACTCCGGAGTCTTCTGGGCCCTCTGCCTCTTCTTTGGTCAACTGGACTCACTAGTCA
 AGGCACCCCTGGCTGCAAGGACCCGGAATCCCTTCTGACAGGTCTGGGTGTTCCGTCCCCAACCAACCC
 GTTTGGCGGGGATCAGGGCAGGCGACCCCTAAACCAGATGCGTACCGGCTCCCTGCTCTGGGCTG
 CCGCCGGGGGACCCGTGGGGCGCCCTGGGCTCTATGACCTACAGCGCTCTCTGCCCTTCCGCTCA
 GCAGCGTCCCGGTAGGCGCGACCCCTCCCGCCTCGGTACGCGTCTTCCCGCAAGCGGGAGCCTTCGCCCC
 GCCGCGGCGAGCTTGCTCAGCCACTGCTGCCACGTCGCGCCAATGGGGCCGCTGCCCCGAGGCT
 GGCACTAATCCCTTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209650 representing NM_027984
 Red=Cloning site Green=Tags(s)

MTTSALRRQVKNIHVHNYSEAEIKVREATSNDPWGPSSLMSEIADLTFNTVAFAEVMGMVWRRLNDSGKN
 WRHVYKALTLLDYLLKTGSERVAHQRENLYTIQTLKDFQYIDRDGKDQGVNVREKVKQVMALLKDEERL
 RQERTHALKTKERMALEGMGIGSQGLGYSRRSRGSPSSYTSASSSPRYASDLEQARPQTSGEELQLQLA
 LAMSREEAERPVPVASHRDEDLQLQLALSLSRQEHEKGVRSWKGDSPVANGAEPAGQRRQRDREPEREE
 RKEEEKLKTSQSSILDLADIFAPAPALPSTHCSADPWDIPGLRPNTEPSGSSWGPSADPWPVPSGNALS
 RSQPWDLPLTSSSEPWGRTPVLPSPGPIADPWAPSSPTRKLPSTGADPWGASMETSDTSALGGASPFDP
 FAKPLESTEPKESRDSAQALPTGKSPSTVELDPFGDSSPSCKQNGMKEPEALDLGVLGEALPQQPGKEAR
 PCRTPESFLGPSASSLVNLDLKVAPLAARTRNPFLTGLGVPSPTNPFAGAGDQGRPTLNQMRGSPALGL
 PPGGPVGPVGSMTYSASLPLPLSSVPVATLPASVSVFPQAGAFAPPPASLPQPLLPTSGPMGLPPQA
 GTNPFL

TRTRPLE - GFP Tag - V

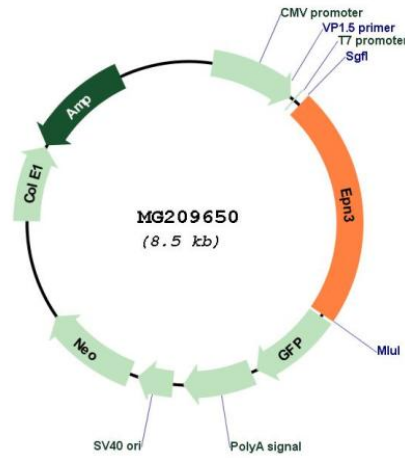
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027984

ORF Size: 1908 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_027984.3
RefSeq Size:	2441 bp
RefSeq ORF:	1911 bp
Locus ID:	71889
UniProt ID:	Q91W69
Cytogenetics:	11 D