

Product datasheet for **MG209265**

Epn2 (BC039138) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn2 (BC039138) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epn2
Synonyms:	9530051D10Rik; AA536924; lbp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209265 representing BC039138
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAATTCATCTATCAGACGGCAGATGAAAAACATTGTGAACAATTACTCAGAGGCTGAAATCAAAG
 TCCGGGAGGCCACTCCAATGACCCGTGGGCCCATCCAGCTCTCTGATGACTGAGATTGCTGACCTGAC
 CTACAATGTGGTAGCGTTCTCGGAGATCATGAGCATGGTTTGAAGCGACTTAATGACCATGGCAAGAAC
 TGGCGGCATGTATAAAGGCACTGACACTGCTGGACTACCTTATCAAGACAGTTCTGAGCGGGTGGCC
 AGCAGTGCCGTGAGAACATCTTTGCCATACAGACTCTGAAGGACTTTCAGTACATTGACCGTGATGGCAA
 AGACCAGGGTATTAACGTTGAGAGAAAACAAAGCAACTGGTTGCGCTCCTCAAGGATGAGGAGCGGCTG
 AAGTTGAGAGAGTTCAGGCTCTCAAACCAAAGAGCGCATGGCTCAGGTGGCCACTGGCGTGGGCAGCA
 ACCAAATCACCTTTGGCCGTGGCTCCAGCCAGCCCAACCTTTCTACCAGTACTCAGAGCAGGAGTATGG
 CAAGGCTGGGGGCTCGCCGGCATCTACCAGGCTCTACTTCCCACGAGTATCCTCTGAGTTAGAGCAG
 GCCCGGCCACAGACAAGCGGAGAAGAGGAGCTGCAGCTACAACCTGGCACTTGCCATGAGCAGAGAGGTTG
 CTGAGCAGTCATCAGAAAAGCGTGACAGACAGCCAGAGGCAGCAAGGAAGAAGCGCTCAGGCGGGTGTGA
 CCTCAGATTGAGATGGCTCTGGAAGAAAGCCGGAGAGACACAGTAAAAGTTCCAAAAAGAAAGAGGCG
 AAAGCTTGTGCAAGCCAGGCTCCCACTCCAGCAGACTACCTTGTGGATTTAATGGATGCCCTCCCA
 GCTCAGGCCCTGTTACACAGAAAAGTGAAGCCCTGGAGTGCAGGAGCCTCTGCTAACCAGACCAACCCCTG
 GGGTGAACAGTGGCTCCTTGAACATTACTGACCCGTGGCCATCGTTTGGTACCAAGCCAGCTGCCTCT
 GTGGACCCCTGGGAGTACCTACCACAGCCAGCACACAGTCTGTCCTAAGAAGTCAAGCCAGTCTGTC
 CCTCACAGCAGCCTGCCCAATGCTGAAAGACAACAGATGCCCTGGGGAGCTGCTAAGCCAGTCTGTC
 CTGAGGTCCTTTGAGCTCTTCAGTAATTTCAACGGTACAGTTAAAGATGATTTTTCTGAATTTGACAAC
 CTTGCAACTTCAAAAAACCAGCTGAGTCAAGGGCCTCAGTGCCACCCAGGACAGCAGAACACAGGCC
 CTGACCTCTTTGAGTCTCAATCCTTGACTTCTGCGTCAAGCAAGCCTAGCAGTGCCAGGAAAAACCTGA
 GTCCTTCTGGGCCCAATGCAGCCCTGGTGAACCTGGACTCATTGGTGACTAAGCCTGCTCCACCAGCT
 CAGTCCCTTAATCCCTTCTGGCACCAGGTGCTGCTGCTCCAGCCCTGTCAACCCTTCCAGGTCAACC
 AGCCCCAGCCGCTGACTGAACCAGCTCCGGGAAGCCCTGCTCCTGGGAAGCAGTGCATCCTTTGGGTC
 TGGTCCAGGGTGGAGACTGTGGCTCCCATGACCTCAGTAGCTCCACACTCATCAGTGGGGCCAGTGGC
 TCCTCCTTGACACCACTGGGCCCTACAGCAATGAACATGGTAGGCAGTGTGGCATTCCCCATCAGCAG
 CTCAGTCAACAGGCACAACAAACCTTTCTTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209265 representing BC039138
 Red=Cloning site Green=Tags(s)

MTTSSIRRQMKNIYNNYSEAEIKVREATSNDPWPSSSLMTEIADLTYNVVFSEIMSMVWKRNDHGKN
 WRHVYKALTLLDYLIKTGSERVAQQRENIFAIQTLKDFQYIDRDGKDQGINVREKSKQLVALLKDEERL
 KVERVQALKTKERMAQVATGVGSNQITFRGSSQPNLSTSYSEQEYKAGGSPASYHGSTSPRVSSELEQ
 ARPQTSGEELQLQLALAMSREVAEQSSSVQTAGRSKEERLRGGDLRLQMALEESRRDVTKVPKKKEA
 KACCKPGSHSQTTLLDLMDALPSSGPVTQKTEPWSAGASANQTNPWGGTVAPSNITDPWPSFGTKPAAS
 VDPWGVPTTASTQSVPKNSDPWAASQQPASNAGKTTDAWGAAPSSASGSFELFSNFNGTVKDDFSEFDN
 LRTSKKPAESGASVPPQDSRTTSPDLFESQSLTSASSKPSARKTPEFLGPNAALVNLDSLVTKPAPPA
 QSLNPFLAPGAAAPAVNPFQVNQPQLTLNQLRGSPLVLSASFSGSPGVETVAPMTSVAPHSSVGASG
 SSLTPLGPTAMMMVGSVGIPPSAAQSTGTTNPFLL

TRTRPLE - GFP Tag - V

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:	BC039138 , AAH39138
RefSeq Size:	4230 bp
RefSeq ORF:	1787 bp
Locus ID:	13855
Cytogenetics:	11 B2
Gene Summary:	Plays a role in the formation of clathrin-coated invaginations and endocytosis. [UniProtKB/Swiss-Prot Function]