

Product datasheet for **MC228377**

Epn2 (NM_001252189) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn2 (NM_001252189) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epn2
Synonyms:	9530051D10Rik; AA536924; lbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228377 representing NM_001252189
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAATTCATCTATCAGACGGCAGATGAAAAACATTGTGAACAATTACTCAGAGGCTGAAATCAAAG
 TCCGGGAGGCCACTCCAATGACCCGTGGGCCCATCCAGCTCTCTGATGACTGAGATTGCTGACCTGAC
 CTAACAATGTGGTAGCGTTCTCGGAGATCATGAGCATGGTTTGAAGCGACTTAATGACCATGGCAAGAAC
 TGGCGGCATGTATAAAGGCACTGACACTGCTGGACTACCTTATCAAGACAGTTCTGAGCGGGTGGCC
 AGCAGTGCCGTGAGAACATCTTTGCCATACAGACTCTGAAGGACTTTCAGTACATTGACCGTGATGGCAA
 AGACCAGGGTATTAACGTTGAGAGAAAATCAAAGCAACTGGTTGCGCTCCTCAAGGATGAGGAGCGGCTG
 AAGTTGAGAGAGTTCAGGCTCTCAAACCAAAGAGCGCATGGCTCAGGTGGCCACTGGCGTGGCAGCA
 ACCAAATCACCTTTGGCCGTGGCTCCAGCCAGCCCAACCTTTCTACCAGTACTCAGAGCAGGAGTATGG
 CAAGGCTGGGGGCTCGCCGGCATCTACCAGGCTCTACTTCCCACGAGTATCCTCTGAGTTAGAGCAG
 GCCCGGCCACAGACAAGCGGAGAAGAGGAGCTGCAGCTACAACCTGGCACTTGCCATGAGCAGAGAGGTTG
 CTGAGCAGGAAGAAGCCCTCAGGCGGGGTGATGACCTCAGATTGCAGATGGCTCTGGAAGAAAGCCGGAG
 AGACACAGTAAAAGTTCCAAAAAGAAAGAGGCGAAAGCTTGTGCAAGCCAGGCTCCCCTCCCAGCAG
 ACTACCTTGTGGATTTAATGGATGCCCTCCCCAGCTCAGGCCCTGTTACACAGAAAAGTGGCCCTGGA
 GTGCAGGAGCCTCTGCTAACCAGACCAACCCTGGGGTGAACAGTGGCTCCTTCGAACATTACTGACCC
 GTGGCCATCGTTTGGTACCAAGCCAGCTGCCTCTGTGGACCCCTGGGGAGTACCTACCACAGCCAGCACA
 CAGTCTGTCCCTAAGAACTCAGACCTTGGGCAGCCTCACAGCAGCCTGCCTCCAATGCTGGAAGACAA
 CAGATGCCTGGGAGCTGCTAAGCCAGTCTGCCTCAGGGTCTTTGAGCTCTTCAGTAATTTCAACGG
 TACAGTTAAAGATGATTTTTCTGAATTTGACAACCTTCGAACTTCAAAAAACCAGCTGAGTCAGGGGCC
 TCAGTGCCACCCAGGACAGCAGAACCCAGGACCTGACCTCTTTGAGTCTCAATCCTTGACTTCTGCGT
 CAAGCAAGCCTAGCAGTGCCAGGAAAACACCTGAGTCCTTCTGGGCCCAATGCAGCCCTGGTGAACCT
 GGACTCATTGGTGACTAAGCCTGCTCCACCAGCTCAGTCCCTTAATCCCTTCTGGCACCAGGTGCTGCT
 GCTCCAGCCCCTGTCAACCCCTCCAGGTCAACCAGCCCAGCCGCTGACACTGAACCAGCTCCGGGGAA
 GCCCTGCTCTGGGAAGCAGTGCATCCTTTGGGTCTGGTCCAGGGTGGAGACTGTGGCTCCCATGACCTC
 AGTAGCTCCACACTCATCAGTGGGGGCCAGTGGCTCCTCCTTGACACCACTGGGCCCTACAGCAATGAAC
 ATGGTAGGCAGTGTGGCATTCCCCATCAGCAGCTCAGTCAACAGGCACAACAAACCCTTCTCTCTCT
 AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001252189
- Insert Size:** 1752 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001252189.1](#), [NP_001239118.1](#)

RefSeq Size: 4230 bp

RefSeq ORF: 1752 bp

Locus ID: 13855

UniProt ID: [Q8CHU3](#)

Cytogenetics: 11 B2

Gene Summary: Plays a role in the formation of clathrin-coated invaginations and endocytosis.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) lacks an in-frame coding exon, and encodes a shorter isoform (3), compared to variant 1.