

Product datasheet for **MC228549**

Epn2 (NM_001252188) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epn2 (NM_001252188) 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: >MC228549 representing NM_001252188
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAATTCATCTATCAGACGGCAGATGAAAAACATTGTGAACAATTACTCAGAGGCTGAAATCAAAG
 TCCGGGAGGCCACTCCAATGACCCGTGGGGCCCATCCAGCTCTCTGATGACTGAGATTGCTGACCTGAC
 CTAACAATGTGGTAGCGTTCTCGGAGATCATGAGCATGGTTTGAAGCGACTTAATGACCATGGCAAGAAC
 TGGCGGCATGTATAAAGGCACTGACACTGCTGGACTACCTTATCAAGACAGTTCTGAGCGGTGGCCC
 AGCAGTGCCGTGAGAACATCTTTGCCATACAGACTCTGAAGGACTTTCAGTACATTGACCGTGATGGCAA
 AGACCAGGGTATTAACGTTGAGAGAAAATCAAAGCAACTGGTTGCGCTCCTCAAGGATGAGGAGCGGCTG
 AAGTTGAGAGAGTTCAGGCTCTAAAACCAAAGAGCGCATGGCTCAGGTGGCCACTGGCGTGGCAGCA
 ACCAAATCACCTTTGGCCGTGGCTCCAGCCAGCCCAACCTTTCTACCAGTACTCAGAGCAGGAGTATGG
 CAAGGCTGGGGGCTCGCCGGCATCTACCACGGCTCGCCAGAGGCTCGCTGTGCCCCAGCACCCGACA
 GGGGCCATGCTGGGTGAGAGTGAGGAGCTGCAGCCACTGAGCCAGCGCCACCCCTGCCTGCCGACCTGG
 GCCTAGCCTCCCACCCTAATGGCGACTGGGCCAGCCCTGCCTCACTTGTGACCGCGCAGCCGAGCTAC
 TCCCCACGAGTATCCTCTGAGTTAGAGCAGGCCCGGCCACAGACAAGCGGAGAAGAGGAGCTGCAGCTA
 CAACTGGCACTTGCCATGAGCAGAGAGGTTGCTGAGCAGGAAGAAGCGCTCAGGCGGGGTGATGACCTCA
 GATTGCAGATGGCTCTGGAAGAAAGCCGGAGAGACACAGTAAAAGTTCCAAAAAGAAAGAGGGCGAAAGC
 TTGTTGAAGCCAGGCTCCCCTCCCAGCAGACTACCTTGTGGATTTAATGGATGCCCTCCCAGCTCA
 GGCCCTGTTACACAGAAAACAGCCCTGGAGTGCAGGAGCCTCTGCTAACAGACCAACCCCTGGGGTG
 GAACAGTGGCTCCTTCGAACATTACTGACCCGTGGCCATCGTTTGGTACCAAGCCAGCTGCCTCTGTGGA
 CCCTGGGGAGTACCTACCACAGCCAGCACACAGTCTGTCCCTAAGAACTCAGACCCTTGGGCAGCCTCA
 CAGCAGCCTGCCTCCAATGCTGGAAGACAACAGATGCCTGGGGAGCTGCTAAGCCAGTTCTGCCTCAG
 GGTCTTTGAGCTCTTCAGTAATTTCAACGGTACAGTTAAAGATGATTTTCTGAATTTGACAACCTTCG
 AACTTCAAAAAACCAGCTGAGTCAGGGCCCTCAGTGCCACCCAGGACAGCAGAACCACGAGCCCTGAC
 CTCTTTGAGTCTCAATCCTTGACTTCTGCGTCAAGCAAGCCTAGCAGTGCCAGGAAAACCTGAGTCTCT
 TCCTGGGCCCCAATGCAGCCCTGGTGAACCTGGACTCATTGGTGACTAAGCCTGCTCCACCAGCTCAGTC
 CCTAATCCCTTCTGGCACCAGGTGCTGCTGCTCCAGCCCTGTCAACCCCTTCCAGGTCAACCAGCCC
 CAGCCGCTGACTGAACCAGCTCCGGGAAGCCCTGTCTGGGAAGCAGTGCATCTTTGGGTCTGGTC
 CAGGGGTGGAGACTGTGGCTCCCATGACCTCAGTAGCTCCACACTCATCAGTGGGGGCCAGTGGCTCCTC
 CTTGACACCCTGGGCCCTACAGCAATGAACATGGTAGGCAGTGTGGCATTCCCCCATCAGCAGCTCAG
 TCAACAGGCACAACAAACCCCTTCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252188

Insert Size: 1923 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:	<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:	<u>NM_001252188.1, NP_001239117.1</u>
RefSeq Size:	4474 bp
RefSeq ORF:	1923 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] Transcript Variant: This variant (1) encodes the longest isoform (1).