

Product datasheet for **MC229072**

Epb4111 (NM_001291121) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_001291121) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epb4111
Synonyms:	4.1N; Epb4.111; mKIAA0338; NBL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC229072 representing NM_001291121
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGACAGTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTGCGAGAGGACCACGCCAGTAAGGCCAGAAGTCACTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGACGCTGAGGGCAGACATTATCACAGGCCGCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTGAGTGTGCTCCGCTTCGCCCAAAACCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGTTGTGGAAGTCTGCATCGAGCACACACAGTTCT
 TCCGGCTGGTGTACCGGAGCCCCACCCAAGGGCTTTCTGGTGTGGGCTCCAAGTTCGGTACAGTGG
 GAGGACGCAAGGCCAGACCCGCAAGCCAGTGCCTTATCGACCGACCCGCCCTTCTTTGAACGTCTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG
 AGAATCACGATGCAGGGCCTGACGGTGACAAGCGGAAGATGACGCCGAGTCAAGGGGACGCCGATCAGA
 GGCTGAAGAAGGAGAGGTCAGGACACCCACCAAGATCAAGGAGCTGAAGTTCTGGACAAGCCAGAGGAT
 GTCTTGTGAAGCACCAGGCCAGCATCAATGAACTCAAGAGGACCCTGAAGGAGCCCAACAGCAAAGTGA
 TCCACCGGATCGAGACTGGGATCGGGAGCGCAGGCTGCCCTCGTCGCTGCCTCCCTCCCAAGGG
 CACCCCGAAAAAGCCAGTGAGAGAGCAGGGCTGAGGGAGGGCTCAGAGGAGAAAGTCAAACCACACGC
 CCAGTGGCCAGAGAGCGACACGGGAGATGAGGACCAGGACCAGGAGAGGGACCGGTATTCCTGAAGG
 ACAACCACCTGGCCATTGAGCGCAAGTGTCCAGCATTACGGTCACTCCACGTCCAGCCTGGAGGCTGA
 GGTGGACTTACGGTTATTGGTACTACCATGGCGGCCTTTGAAGACTTCTCCCGAAGCCTCCCTGAG
 CTTGATCGGGATAAAAGTACTCTGAGACAGAGGGCCTGGTGTTCGCCCGGGATCTCAAGGGGCCCTCCA
 GCCAAGAGGATGAATCTGGGGCCTCGAGGACAGCCCGGATCGAGGGGCTGTTCCACTCCAGAAATGCC
 CCAAGTTGAGTCTGTGAAAGCAGAAACCATGACCGTCAAGCAGTCTGGCAATCAGGAAGAAGATTGAGCCA
 GAGGCCATGCTGCAAAGCAGAGTCTCCGCTGCAGACAGCACCCAGGTTGATGGGGTACTCCAATGGTGA
 AAGACTTCATGACAACTCCCCCTGCATCACACAGAGACCATCTCAACCACCATGGAGAACAGTCTCAA
 GTCCGGGAAGGGGAGCTGCCATGATCCCAGGCCACAGACGGTGGCCACGGAAATCCGTTCTCTTTCA
 CCGATCATCGGGAAAGATGTCTCACCAGCACGTACGGCCGACCGGAAACCCCTCTCAACCTCTACCA
 CCACCATGTACCAAAACTGTGAAGGGAGGGTTTTCTGAGACAAGGATCGAAAAGCGAATCATATTAC
 TGGGGATGAAGATGTGATCAAGACCAGGCCCTGGCTTTGGCCATCAAGGAAGCCAAACTACAGCATCCA
 GACATGCTGGTAACCAAAGCTGTTGTCTATAGAGAAACAGACCCATCCCCGGAGGAGAGACAAGAAGC
 CACAGGAATCC**TGA**

ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291121

Insert Size:	2604 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_001291121.1, NP_001278050.1</u>
RefSeq Size:	6470 bp
RefSeq ORF:	2604 bp
Locus ID:	13821
Cytogenetics:	2 77.39 cM
Gene Summary:	<p>May function to confer stability and plasticity to neuronal membrane via multiple interactions, including the spectrin-actin-based cytoskeleton, integral membrane channels and membrane-associated guanylate kinases.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>