

## Product datasheet for **MC229101**

### **Epb4111 (NM\_001291120) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_001291120) 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



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**Fully Sequenced ORF:** >MC229101 representing NM\_001291120  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG  
 CTGCCGCAGCTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA  
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG  
 GCCGATGGCCTGTGCGAGAGGACCACGCCAGTAAGGCCAGAAGTCACTCAGAAGATTGCCAAGAAGT  
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG  
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG  
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCCTCAAGGAAATCAAGAAGCAGATCCGGA  
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT  
 CACAAGTACTACCTGTGCTGCAGCTGAGGGCAGACATTATCACAGGCCGCTGCCTTGTCTCTTTGTC  
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG  
 GCAACTATGTGAGTGTGCTCCGCTTCGCCCAAACCCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT  
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC  
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG  
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT  
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC  
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGGTTGTGGAAGTCTGCATCGAGCACCAACACGTTCT  
 TCCGGCTGGTGTACCGGAGCCCCACCCAAGGGCTTTCTGGTGTGGGCTCAAGTTCGGTACAGTGG  
 GAGGACGCAAGGCCAGACCCGCAAGCCAGTGCCTTATCGACCGACCCGCCCTTCTTTGAACGTCTCT  
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG  
 AGAATCACGATGCAGGGCCTGACGGTGACAAGCGGAAGATGACGCCGAGTCAAGGGGACGCCGATCAGA  
 GGCTGAAGAAGGAGAGGTGAGGACACCCACCAAGATCAAGGAGCTGAAGCCGGAGCAGGAAACCACGCCA  
 CGACACAAGCAGGAGTTCCTGGACAAGCCAGAGGATGTCTTGTGAAGCACCAGGCCAGCATCAATGAAC  
 TCAAGAGGACCTGAAGGAGCCCAACAGCAAATGATCCACCGGATCGAGACTGGGATCGGGAGCGCAG  
 GCTGCCCTCGTCGCTGCCTCCCCCTCCCCAAGGGCACCCCGAAAAAGCCAGTGAAGAGCAGGGCTG  
 AGGGAGGGCTCAGAGGAGAAAGTCAAACCACCGCCACGTGCCCCAGAGAGCGACACGGGAGATGAGG  
 ACCAGGACCAGGAGAGGGACGCCGATTCCTGAAGGACAACCACCTGGCCATTGAGCGCAAGTGCTCCAG  
 CATTACGGTCAGCTCCACGTCCAGCCTGGAGGCTGAGGTGGACTTCACGGTTATTGGTGACTACCATGGC  
 GGCGCCTTTGAAGACTTCTCCCGAAGCCTCCCTGAGCTTGATCGGGATAAAAAGTACTCTGAGACAGAGG  
 GCCTGGTGTTCGCCCGGATCTCAAGGGGCCCTCCAGCCAAGAGGATGAATCTGGGGGCCTCGAGGACAG  
 CCCGGATCGAGGGGCTGTTCCACTCCAGAAATGCCCCAGTTTGAGTCTGTGAAAGCAGAAACCATGACC  
 GTCAGCAGTCTGGCAATCAGGAAGAAGATTGAGCCAGAGGCCATGCTGCAAAGCAGAGTCTCCGCTGCAG  
 ACAGCACCCAGGTTGATGGGGTACTCCAATGGTGAAGACTTCATGACAACCTCCCCCTGCATCCACAC  
 AGAGACCATCTCAACCACCATGGAGAACAGTCTCAAGTCCGGGAAGGGGGCAGCTGCCATGATCCCAGGC  
 CCACAGACGGTGGCCACGAAATCCGTTCTTTTACCAGTATCGGGAAAGATGCTCCTACCAGCACGT  
 ACGGCGCCACCGGAAACCTCTCAACCTCTACCACCACCCATGTACCAAAACTGTGAAGGGAGGGTT  
 TTCTGAGACAAGGATCGAAAAGCGAATCATCATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCCTG  
 GCTTTGGCCATCAAGGAAGCCAACTACAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAG  
 AAACAGACCCATCCCGGAGGAGAGACAAGAAGCCACAGGAATCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291120

<b>Insert Size:</b>	2640 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001291120.1</a></u> , <u><a href="#">NP_001278049.1</a></u>
<b>RefSeq Size:</b>	6506 bp
<b>RefSeq ORF:</b>	2640 bp
<b>Locus ID:</b>	13821
<b>UniProt ID:</b>	<u><a href="#">Q9Z2H5</a></u>
<b>Cytogenetics:</b>	2 77.39 cM
<b>Gene Summary:</b>	<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 (4) differs in the 5' UTR compared to variant 1. Variants 1, 3 and 4 all encode isoform a.</p>