

Product datasheet for **MC229100**

Epb4111 (NM_001006664) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_001006664) 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: >MC229100 representing NM_001006664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGCAGCTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTGCGAGAGGACCACGCCAGTAAGGCCAGAAGTCACCTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGCAGCTGAGGGCAGACATTATCACAGGCCCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTGAGTGTGCTCCGCTTCGCCCAAACCCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGGTTGTGGAAGTCTGCATCGAGCACCACACGTTCT
 TCCGGCTGGTGTACCGGAGCCCAACCCCAAGGGCTTTCTGGTGTGGGCTCAAGTTCGGTACAGTGG
 GAGGACGCAAGGCCAGACCCGCAAGCCAGTGCCTTATCGACCGACCCGCCCTTCTTTGAACGTCTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG
 AGAATCACGATGCAGGGCCTGACGGTGACAAGCGGAAGATGACGCCGAGTCAAGGGGACGCCGATCAGA
 GGCTGAAGAAGGAGAGGTGAGGACACCCACCAAGATCAAGGAGCTGAAGCCGGAGCAGGAAACCACGCCA
 CGACACAAGCAGGAGTTCCTGGACAAGCCAGAGGATGTCTTGTGAAGCACCAGGCCAGCATCAATGAAC
 TCAAGAGGACCTGAAGGAGCCCAACAGCAAATGATCCACCGGATCGAGACTGGGATCGGGAGCGCAG
 GCTGCCCTCGTCGCTGCCTCCCCCTCCCCAAGGGCACCCCGAAAAAGCCAGTGAAGAGCAGGGCTG
 AGGGAGGGCTCAGAGGAGAAAGTCAAACCACCGCCACGTGCCCCAGAGAGCGACACGGGAGATGAGG
 ACCAGGACCAGGAGAGGGACGCCGATTCCTGAAGGACAACCACCTGGCCATTGAGCGCAAGTGCTCCAG
 CATTACGGTCAGCTCCACGTCCAGCCTGGAGGCTGAGGTGGACTTCACGGTTATTGGTGACTACCATGGC
 GGCGCCTTTGAAGACTTCTCCCGAAGCCTCCCTGAGCTTGATCGGGATAAAAAGTACTCTGAGACAGAGG
 GCCTGGTGTTCGCCCGGATCTCAAGGGCCCTCCAGCCAAGAGGATGAATCTGGGGGCCTCGAGGACAG
 CCCGGATCGAGGGGCTGTTCCACTCCAGAAATGCCCCAGTTTGAAGTCTGTGAAAGCAGAAACCATGACC
 GTCAGCAGTCTGGCAATCAGGAAGAAGATTGAGCCAGAGGCCATGCTGCAAAGCAGAGTCTCCGCTGCAG
 ACAGCACCCAGGTTGATGGGGTACTCCAATGGTGAAGACTTCATGACAACTCCCCCTGCATCACCAC
 AGAGACCATCTCAACCACCATGGAGAACAGTCTCAAGTCCGGGAAGGGGCGAGTGCATGATCCCAGGC
 CCACAGACGGTGGCCACGAAATCCGTTCTTTTACCAGTATCGGGAAAGATGCTCCTCACCAGCACGT
 ACGGCGCCACCGGAAACCTCTCAACCTCTACCACCACCATGTACCAAAACTGTGAAGGGAGGGTT
 TTCTGAGACAAGGATCGAAAAGCGAATCATCATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCCTG
 GCTTTGGCCATCAAGGAAGCCAACTACAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAG
 AAACAGACCCATCCCGGAGGAGAGACAAGAAGCCACAGGAATCC**TGA**

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001006664

Insert Size:	2640 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_001006664.3</u> , <u>NP_001006665.1</u>
RefSeq Size:	6539 bp
RefSeq ORF:	2640 bp
Locus ID:	13821
UniProt ID:	<u>Q9Z2H5</u>
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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 3 and 4 all encode 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>