

Product datasheet for **MC228797**

Epb4111 (NM_001291123) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_001291123) 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: >MC228797 representing NM_001291123
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGAGCTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTGCGAGAGGACCACGCCAGTAAGGCCAGAAGTCACCTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGACGCTGAGGGCAGACATTATCACAGGCCGCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTCAGTGAGCTCCGCTTCGCCCAAACCCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGCTCCCTAACCCAGCTCAGCCAAGCGTTGTGGAAGTCTGCATCGAGCACCACAGTTCT
 TCCGGCTGGTGTACCGGAGCCCAACCCCAAGGGCTTTCTGGTATGGGCTCCAAGTTCCGGTACAGTGG
 GAGGACGCAAGCCAGACCCGCAAGCCAGTGCCTTATCGACCCAGCCGCCCTTCTTTGAACTGCTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGAGTTCTCCCGCCTGCCTCAGTCAGTGAGA
 ATCACGATGCAGGGCCTGACGGTGACAAGCGGGAAGATGACGCCGAGTACGGGGGACGCCGATCAGAGGC
 TGAAGAAGGAGAGGTGAGGACACCCACCAAGATCAAGGAGCTGAAGTTCTGGACAAGCCAGAGGATGTC
 TTGTTGAAGCACCAGGCCAGCATCAATGAACTCAAGAGGACCCTGAAGGAGCCCAACAGCAAATGATCC
 ACCGGGATCGAGACTGGGATCGGGAGCGCAGGCTGCCCTCGTCGCTGCCTCCCCCTCCCCAAGGGCAC
 CCCGAAAAAGCCAGTGAGTCTGTGAAAGCAGAAACCATGACCGTCAGCAGTCTGGCAATCAGGAAGAAG
 ATTGAGCCAGAGGCCATGCTGCAAAGCAGAGTCTCCGCTGCAGACAGCACCAGTTGATGGGGTACTC
 CAATGGTGAAAGACTTATGACAACTCCCCCTGCATCACCACAGAGACCATCTCAACCACCATGGAGAA
 CAGTCTCAAGTCCGGGAAGGGGGCAGTGCATGATCCCAGGCCACAGACGGTGGCCACGGAAATCCGT
 TCTCTTTACCGATCATCGGAAAGATGTCTCACCAGCAGTACGGCGCCACCGCGAAACCCTCTCAA
 CCTCTACCACCACCCATGTACCAAAACTGTGAAGGGAGGGTTTTCTGAGACAAGGATCGAAAAGCGAAT
 CATCATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCTGGCTTTGGCCATCAAGGAAGCCAAACTA
 CAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAGAAACAGACCCATCCCCGGAGGAGAGAG
 ACAAGAAGCCACAGGAATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291123
Insert Size: 2193 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_001291123.1</u> , <u>NP_001278052.1</u>
RefSeq Size:	6059 bp
RefSeq ORF:	2193 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 (7) differs in the 5' UTR, and uses an alternate in-frame splice site and lacks two in-frame exons in the central coding region, compared to variant 1. The encoded isoform (e) is shorter than isoform a.</p>