

Product datasheet for **MC228800**

Epb4111 (NM_001291122) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_001291122) 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: >MC228800 representing NM_001291122
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGACAGTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTCGGAGAGGACCACGCCAGTAAGGCCAGAAGTCACCTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGCAGCTGAGGGCAGACATTATCACAGGCCGCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTGAGTGTGCTCCGCTTCGCCCCAAACCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGTTGTGGAAGTCTGCATCGAGCACCCACGTTCT
 TCCGGCTGGTGTACCGGAGCCCAACCAAGGGCTTTCTGGTGTGGGCTCCAAGTTCCGGTACAGTGG
 GAGGACGCAAGGCCAGACCCGCAAGCCAGTGCCTTATCGACCGACCCGCCCTTCTTTGAACGTTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG
 AGAATCACGATGCAGGGCCTGACGGTGACAAGCGGAAGATGACGCCGAGTCAAGGGGACGCCGATCAGA
 GGCTGAAGAAGGAGAGGTCAGGACACCCACCAAGATCAAGGAGCTGAAGTTCTGGACAAGCCAGAGGAT
 GTCTTGTGAAGCACCAGGCCAGCATCAATGAACTCAAGAGGACCTGAAGGAGCCCAACAGCAAATGA
 TCCACCGGATCGAGACTGGGATCGGGAGCGCAGGCTGCCCTCGTCGCTGCCTCCCTCCCAAGGG
 CACCCCGAAAAAGCCAGTGAGTCTGTGAAAGCAGAAACCATGACCGTCAGCAGTCTGGCAATCAGGAAG
 AAGATTGAGCCAGAGCCATGCTGCAAAGCAGAGTCTCCGCTGCAGACAGCACCCAGGTTGATGGGGTA
 CTCAATGGTGAAAGACTTCATGACAATCCCCCTGCATCACCACAGAGACCATCTCAACCACCATGGA
 GAACAGTCTCAAGTCCGGGAAGGGGCGAGCTGCCATGATCCCAGGCCACAGACGGTGGCCACGGAAATC
 CGTTCTCTTTACCGATCATCGGAAAGATGTCCTCACCAGCACGTACGGCGCCACCGCGAAACCTCT
 CAACCTTACCACCACCCATGTCACAAAACCTGTGAAGGGAGGGTTTTCTGAGACAAGGATCGAAAAGCG
 AATCATCATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCCTGGCTTTGGCCATCAAGGAAGCCAAA
 CTACAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAGAAACAGACCCATCCCGGAGGAGA
 GAGACAAGAAGCCACAGGAATCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291122

Insert Size: 2196 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_001291122.1</u> , <u>NP_001278051.1</u>
RefSeq Size:	6062 bp
RefSeq ORF:	2196 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 (6) differs in the 5' UTR and lacks two alternate in-frame exons in the central coding region, compared to variant 1. The encoded isoform (d) 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>