

Product datasheet for **MR231283**

Epb4111 (NM_001291121) Mouse Tagged ORF Clone

Product data:

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



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**ORF Nucleotide
Sequence:**

>MR231283 representing NM_001291121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGCAGCTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTCGAATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTGAGAGAGGACCACGCCAGTAAGGCCAGAAGTACCTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGACGCTGAGGGCAGACATTATCACAGGCCCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTGAGTGTGCTCCGCTTCCGCCAAACCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACCTTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGTTGTGGAAGTCTGCATCGAGCACACACAGTTCT
 TCCGGCTGGTGTACCGGAGCCCCACCCAAGGGCTTTCTGGTGTGGCTCCAAGTTCCGGTACAGTGG
 GAGGACGACGGCCAGACCCGCAAGCCAGTGCCTTATCGACCGACCCGCCCTTCTTTGAACGTTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG
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 GGCTGAAGAAGGAGAGGTCAGGACACCCACCAAGATCAAGGAGCTGAAGTTCTGGACAAGCCAGAGGAT
 GTCTTGTGAAGCACCAGGCCAGCATCAATGAACTCAAGAGGACCTGAAGGAGCCCAACAGCAAATGA
 TCCACCGGATCGAGACTGGGATCGGGAGCGCAGGCTGCCCTCGTCGCTGCCTCCCCCTCCCCAAGGG
 CACCCCGAAAAAGCCAGTGAGAGAGCAGGGCTGAGGGAGGGCTCAGAGGAGAAAGTCAAACCACACGC
 CCAGTGGCCAGAGAGCGACACGGGAGATGAGGACCAGGACCAGGAGAGGGACCGGTATTCCTGAAGG
 ACAACCACCTGGCCATTGAGCGCAAGTGTCCAGCATTACGGTCACTCCACGTCAGCCGAGGCTGAG
 GGTGGACTTACGGTTATTGGTGTACTACATGGCGGCCTTTGAAGACTTCTCCCGAAGCCTCCCTGAG
 CTTGATCGGGATAAAAGTACTCTGAGACAGAGGGCCTGGTGTTCGCCCGGGATCTCAAGGGGCCCTCCA
 GCCAAGAGGATGAATCTGGGGCCTCGAGGACAGCCCGGATCGAGGGGCTGTTCCACTCCAGAAATGCC
 CCAAGTTGAGTCTGTGAAAGCAGAAACCATGACCGTCAAGCAGTCTGGCAATCAGGAAGAAGATTGAGCCA
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 AAGACTTCAATGACAACCTCCCCCTGCATCACACAGAGACCATCTCAACCACCATGGGAACAGTCTCAA
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 CCGATCATCGGGAAAGATGTCTCACCAGCACGTACGGCCACCGGAAACCCCTCTCAACCTTACCA
 CCACCATGTACCAAAACTGTGAAGGGAGGGTTTTCTGAGACAAGGATCGAAAAGCGAATCATATTAC
 TGGGGATGAAGATGTGATCAAGACCAGGCCCTGGCTTTGGCCATCAAGGAAGCCAAACTACAGCATCCA
 GACATGCTGGTAACCAAGCTGTTGTCTATAGAGAAACAGACCCATCCCCGGAGGAGAGACAAGAAGC
 CACAGGAATCC

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231283 representing NM_001291121
 Red=Cloning site Green=Tags(s)

MTTETGPDSEVKKAQEETPQQPEAAAAVTTPVTPAGHSHPETNSNEKHLTQQDTRPAEQSLDMDDKYSE
 ADGLSERTTPSKAQKSPQKIAKKFKSAICRVTLLDASEYECEVEKHGRGQVLFDLVCEHLNLLKDYFGL
 TYCDADSQKNWLDPSKEIKKQIRSSPWNFAFTVKFYPPDPAQLTEDITRYYLCLQLRADIITGRLPCSFV
 THALLGSYAVQAEALGDYDAEEHVGNYVSELRFAPNQTRLEERIMELHKTYRGMTPGEAEIHFLNKKL
 SMYGVDLHHAADSEGIDIMLGVCANGLLIYRDRLRINRF AWPKILKISYKRSNFYIKIRPGEYEQFESTI
 GFKLPNHRSAKRLWKVCI EHHFTFRLVSPPEPPKGLVMGSKFRYSGRTQAQTRQASALIDRPAPFFERS
 SSKRYTMSRSLDGAEF SRPASVSENHDAGPDGDKREDDAESGRRSEAE EGEVVRTPTKIKELKFLDKPED
 VLLKHQASINELKRTLKEPNSKL IHRDRDWRERRLPSSPASPSPKGTPEKASERAGLREGSEEKVKPPR
 PRAPESDTGDEDQDERDAVFLKDNHLAIERKCSSITVSSTSSLEAEVDFTVIGDYHGGAFEDFSRSLPE
 LDRDKSDSETEGLVFARDLKGPSQDESGLEDSPDRGACSTPEMPQFESVKAETMTVSSLAIRKKIEP
 EAMLQSRVSAADSTQVDGGTPMVKDFMTTPPCIT TETISTTMENSLKSGGAAAMIPGPQT VATEIRSL
 PIIGKDLTSTYGATAETLSTSTTHVTKTVKGGFSETRIEKRIITGDEDVDQDQALALAIKEAKLQHP
 DMLVTKAVVYRETDPSPEERDKKPQES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

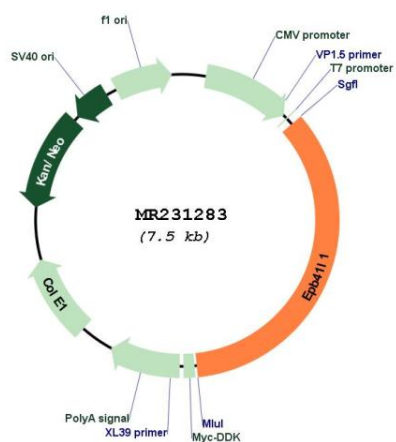
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001291121
ORF Size:	2601 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001291121.1 , NP_001278050.1
RefSeq Size:	6470 bp
RefSeq ORF:	2604 bp
Locus ID:	13821
Cytogenetics:	2 77.39 cM
MW:	97.3 kDa
Gene Summary:	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]

Product images:



Circular map for MR231283