

Product datasheet for **MG217046**

Epb4111 (NM_013510) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_013510) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epb4111
Synonyms:	4.1N; Epb4.111; mKIAA0338; NBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217046 representing NM_013510
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAACAGAGACAGGTCCCGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCCGAGG
 CTGCCGACAGTGTGACCACCCCGGTGACCCCGGGGCCACAGCCACCCAGAGACCAATTC AATGAGAA
 GCATCTGACCCAGCAGGACACGAGGCTGCTGAACAGAGCCTGGATATGGACGATAAGGATTACAGTGAG
 GCCGATGGCCTGTGCGAGAGGACCACGCCAGTAAGGCCAGAAGTCACCTCAGAAGATTGCCAAGAAGT
 TCAAGAGTGCCATATGCCGCGTACCCTGCTCGATGCTTCTGAGTATGAGTGTGAAGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTGGAGAAGGACTACTTCGGTCTG
 ACCTACTGTGATGCTGACAGCCAGAAGAATTGGCTGGACCCCTCAAGGAAATCAAGAAGCAGATCCGGA
 GTAGCCCTTGGAACTTTGCCCTTACAGTCAAGTTCTACCCTCCTGACCCAGCTCAGTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGCAGCTGAGGGCAGACATTATCACAGGCCCTGCCTTGTCTCTTTGTC
 ACGCATGCCCTTCTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACTATGATGCCGAGGAACAGTGG
 GCAACTATGTGAGTGTGCTCCGCTTCCGCCAAACCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGTT
 GCATAAGACATACAGGGGCATGACCCCGGGCGAGGCAGAGATCCACTTCTGGAGAACGCCAAGAAGCTC
 TCCATGTATGGAGTTGACCTGCATCACGCTAAGGATTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGCTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGGCTGGGGAGTATGAGCAGTTTGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGGTTGTGGAAGTCTGCATCGAGCACACACGTTCT
 TCCGGCTGGTGTACCGGAGCCCAACCAAGGGCTTTCTGGTGTGGCTTCAAGTTCCGGTACAGTGG
 GAGGACGAGGCCAGACCCGCAAGCCAGTGCCCTTATCGACCGACCCGCCCTTCTTTGAACGTTCT
 TCCAGCAAACGCTATACCATGTCCCGCAGCCTTGATGGAGCAGAGTTCTCCCGCCTGCCTCAGTCAGTG
 AGAATCACGATGCAGGGCCTGACGGTGACAAGCGGAAGATGACGCCAGTCAAGGGGACGCCGATCAGA
 GGCTGAAGAAGGAGAGGTGAGGACACCCACCAAGATCAAGGAGCTGAAGCCGGAGCAGGAAACCACGCCA
 CGACACAAGCAGGAGTTCCTGGACAAGCCAGAGGATGTCTTGTGAAGCACCAGGCCAGCATCAATGAAC
 TCAAGAGGACCTGAAGGAGCCCAACAGCAAATGATCCACCGGATCGAGACTGGGATCGGGAGCGCAG
 GCTGCCCTCGTCGCTGCCTCCCCCTCCCCAAGGGCACCCCGAAAAAGCCAGTGAGAGAGCAGGGCTG
 AGGGAGGGCTCAGAGGAGAAAGTCAAACCACACGCCACGTGCCCCAGAGAGCGACACGGGAGATGAGG
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 CATTACGGTCAGCTCCAGTCCAGCCTGGAGGCTGAGGTGGACTTACCGTTATTGGTGACTACCATGGC
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 CCCGGATCGAGGGGCTGTTCCACTCCAGAAATGCCCCAGTTTGAGTCTGTGAAAGCAGAAACCATGACC
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 TTCTGAGACAAGGATCGAAAAGCGAATCATATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCCTG
 GCTTTGGCCATCAAGGAAGCCAACTACAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAG
 AAACAGACCCATCCCGGAGGAGAGACAGAAGCCACAGGAATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG217046 representing NM_013510
 Red=Cloning site Green=Tags(s)

MTTETGPDSEVKKAQEETPQQPEAAAAVTTPVTPAGHSHPETNSNEKHLTQQDTRPAEQSLDMDDKYSE
 ADGLSERTTPSKAQKSPQKIAKFKSAICRVTLLDASEYECEVEKHGRGQVLFDLVCEHLNLEKDYFGL
 TYCDADSQKNWLDPSKEIKKQIRSSPWNFAFTVKFYPPDPAQLTEDITRYYLCLQLRADIITGRLPCSFV
 THALLGSYAVQAEALGDYDAEEHVGNYVSELRFAPNQTREREERIMELHKTYRGMTPGEAEIHFLNNAKLL
 SMYGVDLHHAADSEGIDIMLGVCANGLLIYRDRLRINRFAPKILKISYKRSNFYIKIRPGEYEQFESTI
 GFKLPNHRSAKRLWKVCIHHHTFFRLVSPPEPPKGLVMGSKFRYSGRTQAQTRQASALIDRPAPFFERS
 SSKRYTMSRSLDGAEF SRPASVSENHDAGPDGDKREDDAESGRRSEAE EGEVTRPTKIKELKPEQETTP
 RHKQEFLDKPEDVLLKHQASINELKRTLKEPNSKL IHRDRDWRERRLPSSPASPSPKGTPEKASERAGL
 REGSEEKVKPPRPAPESDTGDEDQDQERDAVFLKDNHLAIERKCSSITVSSTSSLEAEVDFTVIGDYHG
 GAFEDFSRSLPELDRDKSDSETEGLVFARDLKGPSQDEDESGGLEDSPDRGACSTPEMPQFESVKAETMT
 VSSLAIRKKIEPEAMLQSRVSAADSTQVDGGTPMVKDFMTTPPCITTETI STTMENSLKSGKAAAMIPG
 PQTVATEIRSLSPIIGKDVLTSTYGATAETLSTSTTHVTKTVKGGFSETRIEKRIIITGDEDVDQDQAL
 ALAIKEAKLQHPDMLVTKAVVYRETDPSPEERDKKPQES

TRTRPLE - GFP Tag - V

Restriction Sites:

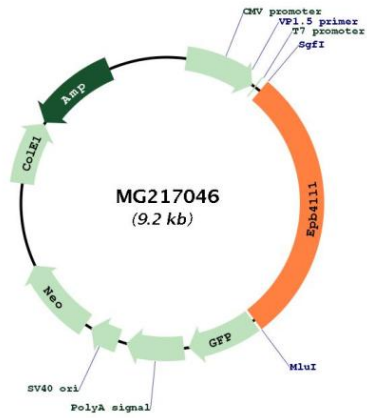
SgfI-MluI

Cloning Scheme:



ACCN:	NM_013510
ORF Size:	2637 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_013510.4
RefSeq Size:	6298 bp
RefSeq ORF:	2640 bp
Locus ID:	13821
UniProt ID:	Q9Z2H5
Cytogenetics:	2 77.39 cM
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 MG217046