

Product datasheet for **RN200335**

Epb4111 (NM_172090) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_172090) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epb4111
Synonyms:	4.1N; Epb4.111
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200335 representing NM_172090
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACAGAGACAGGCCAGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCAGAGG
 CTGCTGCAGCTGTGACCACCCCGGTGACCCCGCAGGCCACAGCCACCCAGAGACCAATTCCAATGAGAA
 GCATCTGACCCAGCAGGACACAAGGCCCTGCTGAACAGAGCCTAGATATGGAGAAAAGGATTACTGTGAG
 GCTGATGGCCTGTGCGAGAGGACTACGCCCAGTAAGGCCAGAAGTCACCCAGAAAGATTGCCAAGAAGT
 TCAAGAGTGCCACCTGCCGCGTACCCTGCTTGTGCCTCTGAGTACGAGTGTGAGGTGGAGAAGCACGG
 CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTCGAGAAGGACTACTTCGGTCTG
 ACCTTCTGCGATGCCGACAGCCAGAAGAATTGGCTGGACCCTCAAGGAAATCAAGAAACAGATCCGGA
 GTAGCCCTTGGAAATTTGCCCTTACAGTGAAGTTCTACCCTCCTGACCCAGCCAGCTGACAGAAGACAT
 CACAAGTACTACCTGTGCTGCAGCTGAGGGCAGACATCATCAGGGCCGCTGCCTTGTCTCCTCGTC
 ACGCACGCCCTGTGGGCTCCTACGCTGTGACGGCTGAACTGGGTGACCATGATACCGAGGAGCAGGTGG
 GCAACTATGTGACGAGCTCCGCTTTGCCCAAACCCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGCT
 GCACAAGACATACAGGGGCATGACCCAGGCGAGGAGAGATCCACTTCTGGAGAATGCCAAGAAGCTC
 TCCATGTATGGAGTTGATCTGCACCATGCTAAGGACTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
 CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGTTTTGCCCTGGCCCAAGATTCTCAAGAT
 CTCCTACAAGAGGAGTAACTTCTACATCAAGATCCGCTCTGGGGAGTATGAGCAGTTCGAGAGCACCATC
 GGCTTCAAGTCCCTAACACCGCTCAGCAAGCGGCTGTGGAAGTCTGCATTGAGCACCATACATTCT
 TCCGGCTGGTGTCTCCAGAGCCCCACCCAAGGGCTTTCTGGTGTGGGCTCCAAGTCCGGTACCGTGG
 GAGGACCCAGGCACAGACTCGCCAAGCCAGTGCCCTTATCGACAGGCCCGCACCTTCTTTGAGCGTTCT
 TCCAGCAAACGATACACCATGTCCCGGAGCCTTGATGGAGCTGAGTTCTCCCGCCTGCCTCAGTCAAGT
 AGAATCACGATGCAGGGCCTGACGGCGACAAGCGGAAGATGATGCCGAGTACAGGGGACGTCGATCAGA
 GGCCGAAGAAGGAGAGGTGAGGACCCCACTAAGATCAAGGAGCTGAAGCCGGAGCAGGAAACCACGCCA
 AGACACAAGCAGGAGTTCCTGGACAAGCCAGAGGACGCTTTGTTGAAGCACCAGGCCAGCATCAATGAAC
 TCAAGAGGACCCTGAAGGAGCCCAATAGCAAATGATCCACCGGATCGAGACTGGGAGCGGGAGCGCAG
 GCTGCCCTCATCACCCGCTCCCCCTCTCCAAGGGCACCCCTGAGAAAGCCAGTGAAGAGCAGGGCTG
 AGGGAGGGCTCGGAGGAGAAAGTCAAACCGCCACGCCACGTGCCCCAGAGAGTACACGGGAGATGAGG
 ACCAGGACCAGGAGAGGGATGCGGTATTCTTGAAGGACAACCACCTGGCCATTGAACGCAATGCTCCAG
 CATAACGGTCAGCTCCAGTCCAGCCTGGAAGCTGAGGTGGACTTACCGTTATTGGTGACTACCACGGG
 GGCGCCTTTGAAGACTTCTCCCGAAGCCTCCCTGAGCTCGATCGGGATAAAAAGTACTCTGAGACAGAGG
 GCCTGGTGTTCGCCAGGGACCTCAAGGGGCCCTCCAGCCAAGAGGATGAATCTGGGGGCATCGAGGACAG
 CCCGGATCGAGGGGCTGTTCTACCCAGAAATGCCCCAGTTTGAGTCTGTGAAAGCAGAAACCATGACC
 GTCAGCAGTCTGGCAATCAGGAAGAAGATCGAGCCAGAGGCCATGCTGCAAAGCAGAGTCTCCACTGCAG
 ACAGCACCCAGGTTGATGGAGGTGCTCCAGCGGCGAAAGACTTCATGACAACTCCCCCTGCATCACCAC
 AGAGACCATCTCGACCACTATGGAGAACAGTCTCAAGTCCGGGAAGGGGCGAGTGCATGATCCCAGGC
 CCACAGACGGTGGCCACGAAATCCGTTCTTTTACCAGTATCGGGAAAGATGCTCTACCAGCACGT
 ACGGCGCCACCGGAAACCCCTCTAACCTCCACCACCACCCATGTACCAAAACTGTGAAGGGAGGGTT
 TTCTGAGACAAGGATCGAGAAGCGAATCATATTACTGGGGATGAAGATGTCGATCAAGACCAGGCTCTG
 GCTTTGGCCATCAAGGAAGCCAAACTTACGATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAG
 AAACAGACCCATCCCGGAAGAGAGGGACAAGAAGCCACAGGAATCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172090

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).
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_172090.3 , NP_742087.1
RefSeq Size:	6103 bp
RefSeq ORF:	2640 bp
Locus ID:	59317
UniProt ID:	Q9WTP0
Cytogenetics:	3q42
Gene Summary:	human homolog interacts with D2 and D3 dopamine receptors; may play a role in dopamine receptor localization or stability [RGD, Feb 2006] Transcript Variant: This variant (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform S, which is shorter than isoform L. Sequence Note: This RefSeq record was created from genomic sequence data because no single transcript from the reference strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.