

Product datasheet for RN200334

Epb4111 (NM_021681) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb4111 (NM_021681) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epb4111
Synonyms:	4.1N; Epb4.111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200334 representing NM_021681 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAACAGAGACAGGCCAGATTCTGAGGTGAAGAAGGCTCAGGAGGAGACTCCACAGCAGCCAGAGG
CTGCTGCAGCTGTGACCACCCCGGTGACCCCGCAGGCCACCCAGAGACCAATCCAATGAGAA
GCATCTGACCCAGCAGGACACAAGGCCTGCTGAACAGAGCCTAGATATGGAGGAAAAGGATTACTGTGAG
GCTGATGGCCTGTCGGAGAGGACTACGCCAGTAAGGCCAGAAGTCACCCAGAAGATTGCCAAGAAGT
TCAAGAGTGCCACCTGCCGCGTACCCTGCTTGATGCCTCTGAGTACGAGTGTGAGGTGGAGAAGCACGG
CCGGGGCCAGGTGCTGTTTGACCTGGTCTGTGAGCACCTAACCTCCTCGAGAAGGACTACTTCGGTCTG
ACCTTCTGCGATGCCGACAGCCAGAAGAATTGGCTGGACCCCTCAAGGAAATCAAGAAACAGATCCGGA
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CACAAGTACTACCTGTGCCTGCAGCTGAGGGCAGACATCATCAGGGCCGCTGCCTTGCCTCTCGTC
ACGCACGCCCTGCTGGGCTCCTACGCTGTGCAGGCTGAAGTGGGTGACCATGATACCGAGGAGCACGTGG
GCAACTATGTGAGCGAGTCCGCTTTGCCCAAACCCAGACCCGGGAGCTGGAGGAGAGGATCATGGAGCT
GCACAAGACATACAGGGGCATGACCCAGGCGAGGCAGAGATCCACTTCTGGAGAATGCCAAGAAGCTC
TCCATGTATGGAGTTGATCTGCACCATGCTAAGGACTCTGAGGGCATCGATATCATGCTAGGTGTCTGTG
CCAATGGCCTGCTCATCTACCGGACCGCTGAGAATCAACCGTTTTGCCTGGCCCAAGATTCTCAAGAT
CTCCTACAAGAGGAGTAACCTTACATCAAGATCCGCTCCTGGGGAGTATGAGCAGTTCGAGAGCACCATC
GGCTTCAAGCTCCCTAACACCGCTCAGCCAAGCGGCTGTGGAAGGTCTGCATTGAGCACCATACATTCT
TCCGGCTGGTGTCTCCAGAGCCCCACCAAGGCTTTCTGGTATGGGCTCCAAGTTCGGTACAGTGG
GAGGACCCAGGCACAGACTCGCCAAGCCAGTGCCTTATCGACAGGCCCGCACCTTCTTTGAGCGTTCT
TCCAGCAAACGATACACCATGTCCGGAGCCTTGATGGAGCTGAGTTCTCCGCTGCCTCAGTCAGTG
AGAATCACGATGCAGGGCTGACGGCGACAAGCGGAAGATGATGCCGAGTCAGGGGACGTCGATCAGA
GGCCGAAGAAGGAGAGGTCAGGACCCCACTAAGATCAAGGAGCTGAAGCCGGAGCAGGAAACCACGCCA



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AGACACAAGCAGGAGTTCCTGGACAAGCCAGAGGACGTCTTGTTGAAGCACCAGGCCAGCATCAATGAAC
TCAAGAGGACCCTGAAGGAGCCCAATAGCAAAGTATCCACCGGGATCGAGACTGGGAGCGGGAGCGCAG
GCTGCCCTCATCACCCGCTCCCCCTCTCCAAGGGCACCCCTGAGAAAGCCAGTGAGGCCAGAGGATC
CAGGACTTCTCGGCAGGACTTGGTACCTGGAACAGCAACAGGCTTGGAGATGTTCACTCAGAAAAAGCC
TCGCAGCATCCCCTGAGGGCTCAGAGCATTGGGTATTTATAGAAAGAGTGTACACTAGGCCAGAAGACCT
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GAACCAGAAGAACAAGTACTCAACAGCAGGGCAAGATGCTTGAAGTCCAGAAGACTTTGAGACCGTGAG
AGAGGAAGACCGGGAGGTCCCGAGAGGCCACATCAACTGACAAGCTTCCCGAGGGCTCCAGGCTCAAG
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CCTGGGGAAGACCAACAGCTGCAGGGCTTGGCCAGTGCAGGGAGAGGTTCTTTCTCATACAGACAA
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CCCCACCCTCAGAGCACAGAGAAGAGCACCCAGATGCCCTTCTGGAGATGGGACCTGGTTGGAGCTGGC
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ACGCCCAGGCTTGTGCCCTTCTGAGGACCATCCCTCCTTGTGTGAGGAAGCCAGCCAGGCCAGCAAGG
CAGCTTCTGCCAAAGAGAAGGGGACAGTTTCCCCTCTGCAGTAGAACCTGAGACAGAGGACAGGGAG
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TCTCAAATATATCCATCTTCTGAAGAGAGCCAGTACCAAGGACCCACACGGTGACCGCAAAGCACCT
CCAGTTGCCAGCAAGAAGCCAGGTTTGTCCCTGAAGGAAGTGAAGAACCTGACTCCTGGTGAATTGA
TGTTCCCTTCCAGAAAGCAGGAGACTTCACTCCAGGACTGGGACCAAGGGGATCCAGGAAGATATTAG
CAAGACCTCAGTGGCTAACAAAATTCGGATATTTGAGACCCATGGAGCTGAGGCTTGCCGAGCCAGTCA
GGTGAATGAGGAGCCTCCACATGAGCTGCCTTCCAGGACTTCCCAGGACAGGTAGAACAGCAAGATA
ATCTTCTAGACTTGGGCTTGTCCAACCTCAGCCCCCTGGGGACTTGGCCACCCCACTACCTACCACCA
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GGGAGCAAATCCGAGACGCGGGCAGGGAAGACAAGAGCTCCTTCGCGCTTAGCGCAAACACCCCTG
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CTTCTCCCGAAGCCTCCCTGAGCTCGATCGGGATAAAAGTACTCTGAGACAGAGGGCTGGTGTTCGCC
AGGGACCTCAAGGGGCCCTCCAGCCAAGAGGATGAATCTGGGGCATCGAGGACAGCCGGATCGAGGGG
CCTGTTCTACCCAGAATTGCCCAAGTTGAGTCTGTGAAAGCAGAAACCATGACCGTCAGCAGCTTGGC
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GATGGAGGTGCTCCAGCGCGAAAGACTTCATGACAACTCCCCCTGCATCACCACAGAGACCATCTCGA
CCACTATGGAGAACAGTCTCAAGTCCGGGAAGGGGACAGTGCATGATCCAGGCCACAGACGGTGGC
CACGAAAATCCGTTCTTTTACCGATCATCGGAAAAGATGTCCTCACCAGCACGTACGGCGCCACCGCG
GAAACCTCTCAACCTCCACCACCACCATGTCACAAAAGTGTGAAAGGAGGGTTTTCTGAGACAAGGA
TCGAGAAGCGAATCATCATTACTGGGATGAAGATGTCGATCAAGACCAGGCTCTGGCTTTGGCCATCAA
GGAAGCCAACTCAGCATCCAGACATGCTGGTAACCAAAGCTGTTGTCTATAGAGAAACAGACCCATCC
CCGGAAGAGAGGGACAAGAAGCCACAGGAATCC TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_021681

Insert Size:	4656 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:	<u>NM_021681.2</u> , <u>NP_067713.2</u>
RefSeq Size:	5813 bp
RefSeq ORF:	4656 bp
Locus ID:	59317
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 (1) represents the longer transcript and encodes the longer 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.