

Product datasheet for **RN206812**

Pja2 (NM_138896) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pja2 (NM_138896) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pja2
Synonyms:	Neurodap1; praja2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206812 representing NM_138896
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACAGTATACAGAAAAAGAACCATCAGTAATGGATCAAGACTCCAGCAAGGCTGCGTGGCCTAGAG
 CAGCAGGAGGATACCAGACGATTACAGGCAGGAGGTACGGAAGGAGACATGCGTATGTCAGTTTTAAGCC
 ATGTATGACCAGGCATGAACGGAGCTTGGGTGGGCTGGCGATGACTATGAAGTTCTGAACTGGATGAC
 GTTGCCAAAGAAAAACACCGCAGGTTCCAGTTTCATTGGATCAAGTCCATCCTTCTTTACCCAGTGAACCTA
 CAGTTGAAAAAAGTGAACAGAAATTCCTACTTGTGGTCCAGCACTGAATCAAAGCACGGAGAGCAACCC
 ATCCGTTGCCACAGTGTGCATAGTGAGGAAGTCAAGGAGACCTTAGACAGCAGTACGAATCTTCAGAAAT
 CACGCTGAGAGAGAGTGTACGCCAGCAGTTTGAATGCCTCAAGTGTCCAGAATGGAATTTGTTGGTTC
 ATACTGACTCTTATGATCCAGACAGCAAGCATGATGAGAATGACTCTTCAACTTTGTGCCAAGCTGT
 GGAAGGTGGTAGACGTCAGAAGTATTAGCAATGCAGTCTTTGAGCTGGAAAATGGAGAGGTAGAGAGA
 TATGCTGATCTGTGTCCCTCAGTTCCCTCTCTCAGTGGTAAAATAGGGAGGAGTCTGAAGAGCTAGGTT
 CAGCACTCTTAGAGAAAAATTCTGCTGGCGATGCGGAGGCTGTCCATCAGGATGGCAGGAATTTACAGAG
 GTCTTCTGAAGACGGCATTGTTAGAAAAGAGGCGACAAGATGATACCGATCAGGGAAGACAGACAGAAAAAT
 TCAACTGAAGATGCAGACTGTGTTCCAGGCCATGTTGAACAAAATACTAGTGAGAGAGCCAAATCACCATG
 GAAGTTCTCCTGAACAGGTAGTGAGGCCAAAAGTTAGAAAAGTATCAGTTCAAGCCAGGTGGACCAAGA
 GAGCGGTTTTAATAGGCACGAGGCTAAGCAAAGAAGTGTTCAGAGGTGGAGAGAGGCTCTGGAAGTTGAG
 GAATGCAGTTCAGATGACCCTATAATCAAGTGTGACGATTATGATGGAGACCATGACTGCATGTTCTCTAA
 CCCCCTCACTCAAGAGTTACGCCAAGGGAAGCAGAACGTCACCGTGGACAGCAGAAAAATGGAGCCAC
 AGCTTCAGGAAGGCAAGAGGCTCGGAAAAATGCCTTTTGAATGCCTGTGGAGAGTATTACCAGCTCTTT
 GACAAAGACGAAGACAGTTCAGAGTGCAGTGTGGGAATGGTCTGCTTCTGCTCACCAGTTTTCTG
 GCACAGAAAAAGACCAGTCTCAAGCGATGAAAGCTGGGAACTCTGCCAGGAAAAGATGAGAATGAACC
 TGAGCTACAGAGTGATAGTAGTGGCCCTGAGGAAGAAAACCAAGAATTGTCTCTCAGGAGGGAGAACAG
 ACGTCTTGAGAGAGGGGAGATTCCCTGGTTACAGTACAATGAGGTCAATGAGAGCAGCAGCGATGAAG
 GGAACGAGCCTGCCAATGAGTTTGACAACCAAGCTTTTCATGTTGGATGGGAACAACAACCTGGAGGA
 CGACTCGAGCGTGAAGACCTGGATGTGGACTGGAGCCTATTTGATGGTTTTGCGGATGGACTTGGT
 GTTGCTGAAGCTATTTCTACGTGGATCCTCAGTTCCTCACCTACATGGCACTAGAAGAAGCTTAGCCC
 AGGCTATGGAGACTGCACTGGCACACTTAGAGTCTCTTGTGTAGACGTTGAGGTGGCTAACCCACCTGC
 CAGTAAGGAAAAGCATCGACGGACTTCCAGAAAACCTTGTCTAGAAAGATCACACCCTATTGGTCAAGGAG
 CAGTGTGCTCCCATCTGCTGCAGTGAATACATTAAGGATGACATCGCAACAGAGCTGCCCTGCCATCACT
 TCTTTTCATAAGCCTTGTGTCTCCATTTGGCTACAGAAGTCCGGAACGTGCCCTGTGTGCCGCCGCACTT
 CCCACCTGCAGTATTGACGCATCTGCAGCTGTTCTCTGAACCAGACCTTGATGCCTCGCTGCAAAAC
 GACAATGCTGAGGAAGCCCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138896

Insert Size: 2124 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_138896.2</u> , <u>NP_620251.1</u>
RefSeq Size:	4714 bp
RefSeq ORF:	2124 bp
Locus ID:	192256
UniProt ID:	<u>Q63364</u>
Cytogenetics:	9q37
Gene Summary:	<p>may play a role in synaptic communication and plasticity through the control of the formation of post synaptic density [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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>