

## Product datasheet for **RN217038**

### **Pja2 (NM\_001277278) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pja2 (NM_001277278) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pja2
Synonyms:	Neurodap1; praja2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217038 representing NM\_001277278  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCACAGTATACAGAAAAAGAACCATCAGTAATGGATCAAGACTCCAGCAAGGCTGCGTGGCCTAGAG  
 CAGCAGGAGGATACCAGACGATTACAGGCAGGAGGTACGGAAGGAGACATGCGTATGTCAGTTTTAAGCC  
 ATGTATGACCAGGCATGAACGGAGCTTGGGTGGGCTGGCGATGACTATGAAGTTCTGAACTGGATGAC  
 GTTGCCAAAGAAAAACACCGCAGGTTCCAGTTTCATTGGATCAAGTCCATCCTTCTTTACCCAGTGAACCTA  
 CAGTTGAAAAAGTGAACAGAAATTCCTACTTGTGGTCCAGCACTGAATCAAAGCACGGAGAGCAACCC  
 ATCCGTTGCCACAGTGTGCATAGTGAGGAAGTCAAGGAGACCTTAGACAGCAGTACGAATCTTCAGAA  
 CACGCTGAGAGAGAGTGTACGCCAGCAGTTTGAATGCCTCAAGTGTCCAGAATGGAATGTGTTGGTTC  
 ATACTGACTCTTATGATCCAGACAGCAAGCATGATGAGAATGACTCTCTCAACTTTGTGCCAAGCTGT  
 GGAAGGTGGTAGACGTCAGAAGTATTAGCAATGCAGTCTTTGAGCTGGAAAATGGAGAGGTAGAGAGA  
 TATGCTGATCTGTGCCCTCAGTCCCTCTCTCAGTGGTAAAATAGGGAGGAGTCTGAAGAGCTAGGTT  
 CAGCACTCTTAGAGAAAAATTCTGCTGGCGATGCGGAGGCTGTCCATCAGGATGGCAGGAATTTACAG  
 GTCTTCTGAAGACGGCATTGTTAGAAAAGAGCGACAAGATGATACCGATCAGGGAAGACAGACAGAAAA  
 TCAACTGAAGATGCAGACTGTGTTCCAGGCCATGTTGAACAAAATACTAGTGAGAGAGCCAACTCACCATG  
 GAAGTTCTCCTGAACAGGTAGTGAGGCCAAAAGTTAGAAAAGTATCAGTTCAAGCCAGGTGGACCAAGA  
 GAGCGGTTTTAATAGGCACGAGGCTAAGCAAAGAAGTGTTCAGAGGTGGAGAGAGGCTCTGGAAGTTGAG  
 GAATGCAGTTCAGATGACCCTATAATCAAGTGTGACGATTATGATGGAGACCATGACTGCATGTTCTTAA  
 CCCCCTCTACTCAAGAGTTACGCCAAGGGAAGCAGAACGTACCGTGGCAGCAGAAAAATGGAGCCAC  
 AGCTTCAGGAAGGCAAGAGGCTCGGAAAAATGCCTTTTGAATGCCTGTGGAGAGTATTACCAGCTCTTT  
 GACAAAGACGAAGACAGAGAACAGACGTCCTTGGAGGAGGGGAGATTCCCTGGTTACAGTACAATGAGG  
 TCAATGAGAGCAGCAGCGATGAAGGGAACGAGCCTGCCAATGAGTTTGCACAACCAGAAGCTTTCATGTT  
 GGATGGGAACAACAACCTGGAGGACGACTCGAGCGTGAGTGAAGACCTGGATGTGGACTGGAGCCTATTT  
 GATGGTTTTGCGGATGGACTTGGTGTGCTGAAGCTATTTCTACGTGGATCCTCAGTTCCTCACCTACA  
 TGGCACTAGAAGAACGCTTAGCCCAGGCTATGGAGACTGCACTGGCACACTTAGAGTCTCTTGTGTAGA  
 CGTTGAGGTGGCTAACCCACCTGCCAGTAAGGAAAGCATCGACGGACTTCAGAAAACCTTGTCTAGAA  
 GATCACACCGCTATTGGTCAGGAGCAGTGTGCCATCTGCTGCAGTGAGTACATTAAGGATGACATCG  
 CAACAGAGCTGCCCTGCCATCACTTCTTTCATAAGCCTTGTGTCTCCATTTGGCTACAGAAGTCCGGAAC  
 GTGCCCTGTGTGCCGCCGCCACTTCCCACCTGCAGTGATTGACGCATCTGCAGCTGCTTCTCTGAACCA  
 GACCTTGATGCCTCGCCTGCAAACGACAATGCTGAGGAAGCCCCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001277278

**Insert Size:** 1938 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001277278.1</a></u> , <u><a href="#">NP_001264207.1</a></u>
<b>RefSeq Size:</b>	4528 bp
<b>RefSeq ORF:</b>	1938 bp
<b>Locus ID:</b>	192256
<b>UniProt ID:</b>	<u><a href="#">Q63364</a></u>
<b>Cytogenetics:</b>	9q37
<b>Gene Summary:</b>	<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 (2) lacks an exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to 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>