

Product datasheet for **RR206812**

Pja2 (NM_138896) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR206812 representing NM_138896
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCACAGTATACAGAAAAAGAACCATCAGTAATGGATCAAGACTCCAGCAAGGCTGCGTGGCCTAGAG
CAGCAGGAGGATACCAGACGATTACAGGCAGGAGGTACGGAAGGAGACATGCGTATGTCAGTTTTAAGCC
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TCTTTCAAGCCTTGTGTCTCCATTTGGCTACAGAAGTCCGGAACGTGCCCTGTGTGCCGCCGCCACTT
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GACAAATGCTGAGGAAGCCCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206812 representing NM_138896
 Red=Cloning site Green=Tags(s)

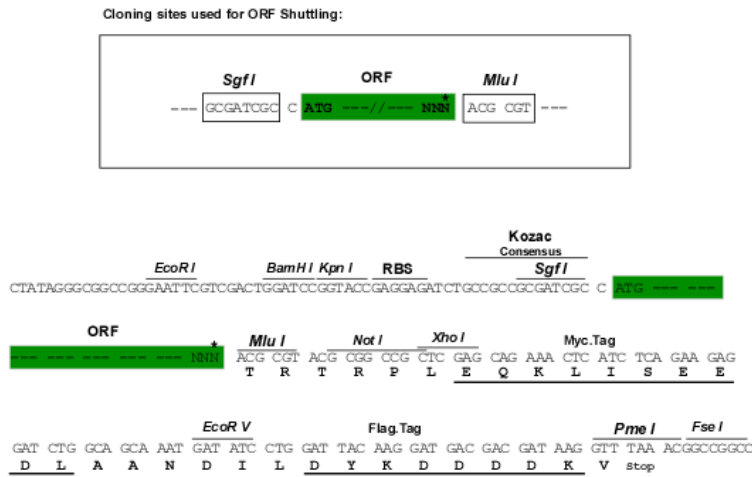
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 HAERECTPAVCNASSVQNGIIVL VHTDSYDPDSKHDENDSLQLCAQAVEGGRRQKVLGNAVFELENGEVER
 YADLCPSVPSLSGEIREESEELGSALLEKNSAGDAEAVHQDQGEFQRSSDGIVRKRRQDDTDQGRQTEN
 STEDADCVPGHVEQNTSERANHHGSSPEQVVRPKVRKVISSSQVDQESGFNRHEAKQRSVQRWREALVE
 ECSSDDPIIKCDDYDGDHDCMFLTPSYSRVTPREAERHRATAENGATASGRQEARENAFWNACGEYYQLF
 DKDEDSSECSDGWEASLPHRFSGTEKDQSSSDESWEPLPGKDENEPELQSDSSGPPEENQELSLQEGEQ
 TSLEEIGEIPWLQYNEVNESSDEGNEPANFAQPEAFMLDGNLLEDDSSVSEDLVDVSLFDGADGLG
 VAEAISYVDPQFLTYMALEERLAQAMETALAHLESLAVDVEVANPPASKESIDGLPETLVLEDHTAIGQE
 QCCPICSEYIKDDIATELPCHHFFHKPCVSIWLKSGTQPCVRRHFPFAVIDASAAASSEPLDASPAN
 DNAEEAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

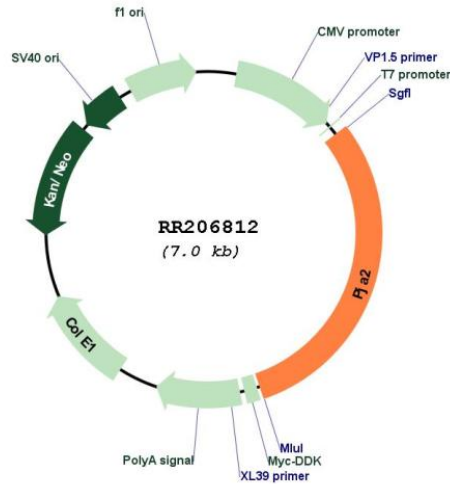
Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_138896

ORF Size: 2121 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:

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_138896.2](#), [NP_620251.1](#)

RefSeq Size: 4714 bp

RefSeq ORF: 2124 bp

Locus ID: 192256
UniProt ID: [Q63364](#)
Cytogenetics: 9q37
MW: 77.9 kDa
Gene Summary: may play a role in synaptic communication and plasticity through the control of the formation of post synaptic density [RGD, Feb 2006]