

Product datasheet for **MC219269**

Patj (NM_001005787) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Patj (NM_001005787) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Patj
Synonyms:	C; Cipp; I; Inadl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219269 representing NM_001005787
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCACGGGGCTTCCAGAAAAGATCAGGCAAAGATATGCAGACCTGCCGGGAGAACTACACATTA
 TCGAACTGGAAAAGGACAAGAATGGACTGGGGCTCAGTCTCGCTGCAATAAGGACAGGTCACGGATGAG
 CATCTTCGTGGTGGGATTAATCCGGAGGGACCTGCTGCTGCAGACGGACGGATGCGGATTGGAGACGAG
 CTGCTAGAGATAAAACAATCAGATTCTTTATGGAAGAAGTCATCAGAACGCATCTGCCATTATTAAGACTG
 CCCAACCCAGGGTCAAACCTGGTTTTTCATTAGAAACGAAGATGCAGTCAGTCAGATGGCCGTCGCTCCCTT
 CCCGGAGCTATCACATTCTCCATCGCTGTTGAGGATCTGGTGGCACTGAACTTGTGAGTAGTGAAGAG
 GAGAGCAGTGTGGATGCTAAACACCTGCCTGAACCAGAAAAGCTCCAAACCGGAAGACCTGTCCAGGTGG
 TTGATGACAACATGGTGGCAGAGCAGCAGAAGGAATCGGAGTCACCTGACAGTGTGCTGCCAGATAAA
 ACAGCAGACATATCAACACAAGTCTCCTCCAGCTCGCAAGATAGCCATCGTCACCGGCTCCATTGTGT
 CAGTCAGCACATGCAGAGCTCACAGGCTCTGGTAACTTCCAGGCTCCTCTCCAGTGGACCTGTCCAC
 TCTCGGTGGACCTGCAACATGTCCCATCGTCCCTGGCCAGGAAATGATCATAGAAATATCCAAGGGACG
 CTCGGGCTCGGGCTCAGCATTGTTGGAGGAAAAGACACACCTTTGGATGCTATAGTTATCCATGAAGTC
 TATGAAGAAGGTGCAGCTGCCAGAGATGGAAGATTATGGGCTGGAGACCAGATATTAGAGGTTAATGGGG
 TTGATCTCGGGAGCTCCAGCCATGAAGAAGCCATCACAGCCCTGAGGCAGACCCCCAGAAGGTGCGGCT
 GGTGGTATACAGAGATGAAGCACAGTACAGAGACGAGGAGAACTTGGAGGTGTTCTTGTGGACCTGCAG
 AAGAAGACTGGCCGAGGACTAGGCCTGAGCATTGTTGGAAACGGAGTGGAAAGTGGAGTGTATTTCTG
 ACATTGTGAAAGCGGGCCGACACCTCGATGGGAGGTTAATTCGAGGAGACCAGATCTTGTCTGTGAA
 TGGAGAGGACATGAGACACGCCCTCACAGGAGACAGTGGCCACCATCCTGAAGTGTGTCCAGGGCCTGTG
 CAGCTGGAGATTGGGAGACTCCGCGCGGTTCTGGGCCCTCTCGGAAGACCTCGCAGAACAGCCAGG
 GGGATCAGCACAGTGCACACAGCAGCTGTGCGCCTTCTTTGCCCCAGTCATCACCCAGCTACAAAACT
 GGTTGGCACAAAAAGATCTTCAGATCCTCCACAGAAATGCACAGAGGAGGAACCAAGGACTGTAGAGATA
 ATCAGAGAGCTCAGCGATGCCCTGGGATCAGTATCGCTGGAGGAAAAGGGAGTCTTTAGGAGATATCC
 CCATATTTATTGCCATGATTCAGGCCAACGGAGTGGCCGACGGACCCAGAAGCTTAAGGTTGGAGATCG
 GATTGTGAGCATTAAATGGACAACCTCTGGATGGACTGTCTCACACAGATGCCGTTAATCTACTGAAGAAT
 GCCTTCGGGCGCATTATCTGCAGGTATTCGATCAATGGAGAACCAGCTGGCAGAGGCAGATAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001005787
- Insert Size:** 1749 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:

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_001005787.1](#), [NP_001005787.1](#)

RefSeq Size: 2898 bp

RefSeq ORF: 1749 bp

Locus ID: 12695

UniProt ID: [Q63ZW7](#)

Cytogenetics: 4 C6

Gene Summary: This gene encodes a multivalent PDZ domain protein, which is expressed exclusively in brain and kidney. This protein selectively interacts with inward rectifier K⁺ (Kir) family members, N-methyl-D-aspartate receptor subunits, neurexins and neuroligins, as well as cell surface molecules enriched in synaptic membranes. Thus, this protein may serve as a scaffold that brings structurally diverse but functionally connected proteins into close proximity at the synapse. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) lacks multiple 5' exons and two 3' exons but has an alternate 5' exon and an alternate 3' segment, as compared to variant 1. The encoded isoform (4) has shorter and distinct N- and C-termini, as compared to isoform 1.