

Product datasheet for **MC222891**

Patj (NM_001005784) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Patj (NM_001005784) 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: >MC222891 representing NM_001005784
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGAAAACCTGCTGCAGAGAAGATGCAGGTCTGCAGGTCTGGATCGCCTTCGAGGGAAGCTGC
 AGGAGAAGGGAGACACGACGCAGAACGAGAAGCTGTCTGCGTTCTACGAGACGCTGAAGAGCCCTCTCTT
 CAACCAGATCCTTACACTGCAGCAGTCCATCAAGCAGCTGAAGGGACAGCTTAGCCACATCCCCTCAGAT
 TGCTCAGCCAACCTTGTACTTTTCTCGAAGGGCTTGTAGTGTTCACGGATGGTTCATTACAAACGGGA
 ATGCCAAAGGCCTGTAGTAATGTGACTGCATCTGAAGTGTGCCCTGGACTCAAAAGTCAGCAAGTGA
 AGACTTAACTCAGTCATTCAGCAGATGGCTCAGGGCCGCACGTTGAGTATATAGATATTGAACGTCTCT
 TCAACTGGAGGCCTTGGATTGAGTGTGGTGGCTCTGAGAAGCCAAAGCCTGGGATTAATTGATATCTTTG
 TGAAGGAAGTCCATCCCGGAGTGTAGCAGACAGGGATCACAGATTGAAGGAAAATGACCAGATTTTGGC
 CATTAAATGACACCCCATGGATCAGAATATTTCCCATCAGCAGGGGATTGCATTACTACAACAAGCCACT
 GGATCTCTGCGGCTGGTTGTGGCCAGGGAAGTGGGCCACACAGGGCCGAGCATCCACCAGCTCAGCTG
 ATACAACCTCTGCCAGAAACGGTGTGTTGGGGCCACACGGAAGAGGTTGAGCTCATTAAACGATGGCTCTGG
 ATTAGGTTTTGGGATAGTTGGAGGGAAATCCAGCGGCTGGTCTGAGGACTATTGTTCTGGAGGACTG
 GCAGACCAGATGGAAGACTGCAGACAGGGATCACATCTTGAAGATTGGTGGTACAAATGTTCAAGGGA
 TGACCAGTGAACAAGTTGCTCAAGTGTAAAGAACTGTGGGAATTCAGTGAAGTGTGGTGGCCAGAGA
 CCCTGTTGGTGAATTCAGTAAACCTCCTACCCCTGTATCCTTACCTGTTGCCCTACCTGCTGTAGCC
 ACAAGGACCCCTGATTCTGACAGGTCTCCTTTTGAAGTACAGTGTGAACTGTTAAGAAAGATGGGC
 AGAGCTTGGGATTAGAATTGTTGGCTATGTTGGAACAGCTCATCCAGGGGAAGCTCCGGGATTTATGT
 GAAAAGTATAATTCCAGGCAGCGCTGCATACCACAATGGCCAAATTCAGTGAATGATAAAATCGTGGCT
 GTGGATGGTGAATATTCAGGTTTTGCTAATCAGGATGTTGTCGAAGTATTGCGGAATGCTGGCAGG
 TGGTACACCTGACCCCTGTTGGAAGGAAAACATCTTTATCTGCTTCTCCGTTTGAGCACTCTTCAAGCAG
 AGAAACTGTTGCAGAACCACTAAAGTACCAGAACGAGCAGGATCCCGAAACCAGAAGCTAATTTGAGT
 GTGGAAGCAGAGGAAATGGAGAAAGACTGGATAATCTAAAAACAACACTGTACAAGCCTTAGAAAAAC
 CAGATGTATATCCAGAGAAAGTTCAGGCTCTCCAGAAAATGAGCTGAAATCCAGATGGGAAAACCTACT
 GGGCCAGATTATGAAGTAAAGTACACTTTGGATGCTCAGATTGCAGACGATGAGGAGCTACAGAAA
 TACTCGAAGCTGCTGCCTATCCACACGCTCAGGCTTGGGATGGAAGTCGACTCCTTCGATGGCACCCT
 ATATCTCCTCAGTTGCTCCTGGGGTCTGTGGATACCCTGAACCTCCTTCAGCCAGAGGATGAACTTCT
 TGAGGTCAACGGCATGCAGCTTTATGGGAAGTCTCGCCGAGAAGCAGTCTCCTTCCTTAAAGAAAGTGCC
 CCACCATTTACCTTGGTCTGCTGCCCGGCTGTTTGTATGATGAGGCCTCAGTTGATGAGCCAAGAACCA
 TGGAGCCTGCTCTTCTGAGGCCGAGGTTGACCACAGTGTAGATGTCAACATTGAAGATGATGATGATGG
 AGAATTAGCCCTGTGGTCTCCTGAAGTCAAGACTGTGGAGCTGGTGAAGACTGCAAAGGCTTAGGATTC
 AGTATTTTGGATTATCAGGACCCCTGGATCCCACGCGGTGAGTATTGATTCGCTCCTTGGTGGCAG
 ATGGTGTAGCGGAAAGAAGTGGAGAAGTCTTACCTGGAGATCGCCTAGTCTCCGTCATGAGTTCTCCTT
 GGACAATGCCACTCTTGTGAGGCTGTGGAAGTGTGAAAGCTGTACCCCAAGGTGGTGCATCTTGGC
 ATCTGTAAGCCTTGGTGAAGATGAGAAGGAAGAGCGTTTTAGTTTACATTCAAACAACATGGTGACA
 GCAGCGAGCCTGCAGACGCTGTTGATGAGATCCACTCATCTTTAATCCTTGGAGCAGCCCAAGGATTTAG
 AGATGAGCCATATCTTGAAGAACTCGTGGATGAACCTTTCTAGATTTGGGAAAGTCTTTCAGTTCCTCA
 CAAAAAGACGTGGACAGCAGCTCGGAAGCTTGGGAAATGCATGAGTTCCTGAGTCTCCGCTGGACGGCA
 GGGGTGAGGAGAGAGATGCTTGTGATGAGGAGTATGAACTTTATCAAGATCACCTCCGGCCATGGA
 GTCAAACCCACCACACATTCCGGAGGCCGCTCCTGCATCTCCCGTGTGAACTCCAGGCTGGT
 ACACAGTGGCTGCATGCTAACCTCTCAGGAGGCCAAAGGCTGGAGTGTACAGATGCAGAGTCCATGATGA
 GTGCCATCCCCAGGAGATGCAGCAGTATAGCTACAGCACTGCAGACATGGTACGGCTTTGGCACACAGC
 CACCACCTGCTCCCGCTCTGCCCCACACCCCTCGCTCATGTTACTTCCATTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001005784
Insert Size:	2928 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_001005784.1</u> , <u>NP_001005784.1</u>
RefSeq Size:	3335 bp
RefSeq ORF:	2928 bp
Locus ID:	12695
UniProt ID:	<u>Q63ZW7</u>
Cytogenetics:	4 C6
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' exons but has an alternate 3' segment, as compared to variant 1. The encoded isoform (2) has a much shorter and distinct C-terminus, as compared to isoform 1.</p>