

## Product datasheet for SC124709

### PATJ (NM\_176877) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PATJ (NM_176877) Human Untagged Clone
Tag:	Tag Free
Symbol:	PATJ
Synonyms:	Cipp; hINADL; InaD-like; INADL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_176877, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGAAAATCCTGCTACAGATAAACTGCAGGTGCTGCAGGTAAGTTCGCTGAAAATGAAATTGC
AGGAGAAGGGTGACACGTCGCAGAATGAGAAGTTATCTATGTTTTATGAGACACTAAAGAGTCCTCTCTT
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TACGGGCGCATTATCCTGCAGGTTGTAGCAGATACCAATATAAGCGCCATAGCAGCTCAGCTTGAAAACA  
TGTCTACAGGCTACCACCTTGGTTCGCCACTGCTGAACACCATCCAGAAGACACAGAGGAGCAGCTGCA  
GATGACGGCCGATTAA

**5' Read Nucleotide  
Sequence:**

>OriGene 5' read for NM\_176877 unedited  
 NGGGTTCAGATTTTGTAAATACGACTCACTTATAGGGCGGCCGCGATTCCGGCACGAGGCCG  
 AGCCCCGCCGACCCGGGCTCCCACCTGCTCCTCCAGCGCACCCAGGTGTCTTTAAGAGTGA  
 TTGAAGAGAATAATTCAAATGCCTGAAAATCCTGCTACAGATAAACTGCAGGTGCTGCA  
 GGTACTTGATCGCTGAAAATGAAATTGCAGGAGAAGGGTGACACGTCGCAAGATGAGAA  
 GTTATCTATGTTTTATGAGACACTAAAGAGTCTCTCTTCAACCAGATACTCACACTTCA  
 GCAGTCCATCAAGCAACTGAAGGGTCAACTCAACCATAACCTCAGATTGTTGAGCCAA  
 CTTTGATTTTTCTAGGAAAGTGTGTTAGTGTTCACAGATGGTTCATTACTAATGAAAA  
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 CAGGTTTGTGGGGCCATGTTGAAGAGTTGAGCTCATTAAATGATGGCTCTGGACTAGGT  
 TTTGGAATAGTTGGAGGAAAAACAAGTGGCGTGGTTGTGAGGACTATAGTTCTGGAGGA  
 TTAGCAGATCGAGATGGAAGACTCCAGACAGGGGACCACATCTTGAAGATTGGTGGCACA  
 NACGTGCAGGNAATGACCAGTGAGCAAAGTGCACAAGTCTAAGGAACTGTGGNAATTCA  
 GTCANGATGN

**3' Read Nucleotide  
Sequence:**

>OriGene 3' read for NM\_176877 unedited  
 CGCGGCCCAATTGAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTGGGTGTCCTGGTTCTGGTT  
 ACCGGTGATTTTGTGGCCTTGTATGTACGTTAGGAATGACTCGTGGAGTGGATGACAA  
 ACTCTGAACAATGAACACCACAGGGTTTCTGCATTCTAATGGCCTCAACTGCTTCGCT  
 GTGTGAGGCATTCTGCAATCTACTCCAGACACCTCAAGTATTTTATCTCCAGTTTTAAG  
 TGGCTTCTCTCCCTGCTGGACTGTCTTCTAAAACCTGTTTGATGAATATACCTTTAAG  
 CTCTCTCCATTCTTAGACGTTTTATAACAGTTTGTCCACCAACAATACTGATCCCAAG  
 AGACACATTGGGTTCTCTAAAAATCTCAACAATTCTCGGTGGACCCCACTGGCTAAAATT  
 TGGAGTTTCTTCTCCTTCGCTTCTCTCTCAGGTAACACATGATCAGTGGCATA  
 TCTAGAAGACAACATTCTGTGTATGCTGAGGCCTTGAAATAACTCGTGTGCTGGCG  
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 CAAGCTAGGACCTTGGACATCATTCGGGATCATGCCTAAACCCAGACTAGCTTTTGCTAA  
 TGAATTAAGATTTTCCAGTCGCCAAATCTGCCTTGTGACTGTTCTTCCAGCCGATGGT  
 CCAGATGGCAGGACTTCTGACAAAATCTTTTTCTTACATTTTAGGGCATAGCCCATCC  
 GCTGGGCCCCCGGAAAGAAGCGTCCCGTTTTGCTCTGAAATCGGATGGTATTATCT  
 GCACCCCGGGACCAAGGAGTTCACCCCGAGGCCAGAGTGCCTTTGAAGGGGACAGCAA  
 CACTCCTGGTGGGGGGTCTCGATCACCAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_176877

**Insert Size:**

3180 bp

**OTI Disclaimer:**

The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.

<b>OTI Annotation:</b>	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<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>	<a href="#">NM_176877.1</a> , <a href="#">NP_795352.1</a>
<b>RefSeq Size:</b>	4773 bp
<b>RefSeq ORF:</b>	4659 bp
<b>Locus ID:</b>	10207
<b>Cytogenetics:</b>	1p31.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Tight junction
<b>Gene Summary:</b>	<p>This gene encodes a protein with multiple PDZ domains. PDZ domains mediate protein-protein interactions, and proteins with multiple PDZ domains often organize multimeric complexes at the plasma membrane. This protein localizes to tight junctions and to the apical membrane of epithelial cells. A similar protein in Drosophila is a scaffolding protein which tethers several members of a multimeric signaling complex in photoreceptors. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter 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>