

## Product datasheet for **SC318674**

### **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
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_176877, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGAAAATCCTGCTACAGATAAACTGCAGGTGCTGCAGGTA CTTGATCGCCTGAAA
ATGAAATTGCAGGAGAAGGGTGACACGTCGAGAATGAGAAGTTATCTATGTTTTATGAG
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CATTATATTTCTTCAATTGTTTCTGGTGGTCTGTTGATACATTGGGTCTCCTACAGCCA  
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 GGTTCGCCCACTGCTGAACACCATCCAGAAGACACAGAGGAGCAGCTGCAGATGACGGCC  
 GAT

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_176877
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_176877.2</a></u> , <u><a href="#">NP_795352.2</a></u>
<b>RefSeq Size:</b>	8505 bp
<b>RefSeq ORF:</b>	5406 bp
<b>Locus ID:</b>	10207
<b>Cytogenetics:</b>	1p31.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Tight junction

**Gene Summary:**

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]

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.