

## Product datasheet for **SC114413**

### JPT1 (NM\_016185) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JPT1 (NM_016185) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPT1
Synonyms:	ARM2; HN1; HN1A
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114413 sequence for NM_016185 edited (data generated by NextGen Sequencing)

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ATGACCACAACCACCACCTTCAAGGGAGTCGACCCCAACAGCAGGAATAGCTCCCGAGTT
TTGCGGCCTCCAGGTGGTGGATCCAATTTTCATTAGGTTTTGATGAACCAACAGAACAA
CCTGTGAGGAAGAACAATAATGGCCTCTAATATCTTTGGGACACCTGAAGAAAATCAAGCT
TCTTGGGCCAAGTCAGCAGGTGCCAAGTCTAGTGGTGGCAGGGAAGACTTGGAGTCATCT
GGACTGCAGAGAAGGAACTCCTCTGAAGCAAGCTCCGGAGACTTCTTAGATCTGAAGGGA
GAAGGTGATATTCATGAAAATGTGGACACAGACTTGCCAGGCAGCCTGGGGCAGAGTGAA
GAGAAGCCCGTGCCTGCTGCGCCTGTGCCAGCCCGGTGGCCCCGGCCCCAGTGCCATCC
AGAAGAAATCCCCCTGGCGGCAAGTCCAGCCTCGTCTTGGGTTAG
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Clone variation with respect to NM\_016185.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016185 unedited</p> <pre> TTGTAATACGACTCACTATAGGGCGGCCCGAATTCGGCACGAGTGCAGCGGTGGTCGGC TGTGGGTGTGGAGTTTCCCAGCGCCCTCGGGTCCGACCCTTTGAGCGTTCTGTCCGG CGCCAGCTACCTCGCTCCTCGGCGCCATGACCACAACCACCACCTTCAAGGGAGTCGAC CCCAACAGCAGGAATAGCTCCCAGTTTTGCGGCCTCCAGGTGGTGGATCCAATTTTTCA TTAGTTTTGATGAACCAACAGAACCACTGTGAGGAAGAACAAAATGGCCTCTAATATC TTTGGGACACCTGAAGAAAATCAAGCTTCTTGGGCAAGTCAGCAGGTGCCAAGTCTAGT GGTGGCAGGGAAGACTTGGAGTCATCTGGACTGCAGAGAAGGAACCTCTGAAGCAAGC TCCGGAGACTTCTAGATCTGAAGGGAGAAGGTGATATTCATGAAAATGTGGACACAGAC TTGCCAGGCAGCCTGGGGCAGAGTGAAGAGAAGCCCGTGCCTGCTGCGCCTGTGCCCAGC CCGGTGGCCCCGGCCCCAGTGCCATCCAGAAGAAAATCCCCTGGCGGCAAGTCCAGCCTC GTCTTGGGTTAGCTCTGACTGTCTGAACGCTGCTGTTCTGTCTGTTTCTCCATGCTTG TGAAGTGCACAACTTGAAGCTGACTGTACATCTTGGATTTGTTTCATTAAGAAGCA CTTTATGACTGTGGCTTTTTTTTTTTTTTTTCTTTGAAGACAGGTTTCTCTGTCTTGAC TCTTGGGTCTGTGGCCATGGCATGAGTGTCTTAGTATTAGATTGGAGGGAAAGCTTG TGACCCTTANTACTGTGGTTTTAAAGAGAAATATNTGGCTTCCAGATGTGTTAAA </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016185 unedited</p> <pre> GGCAGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTAAAAAGTGGATATTGTTTACTT GAAGCAACAGTCCAGGATTGTGAAGTACAACACATTTAAAGATGAGACTTTCCTTTTCAT GGTCAAGCACCAGCATCATGCACACAGCATCAGGTTATTTAAACAACACGCCTGTGGGA CCCCGTTCTGGAGGAAGACCCGCTTCAGTGTGATTGCCTCCCTTGCTTCACTGCTTTTA GTTCCAGGCAGTTTCATTGTACATCCAAGCCTTCTCTGCGTGAGAGCAAAGGCTTTGCT CATCAGCCAGCCAGTCTTGTACTATCTGGCTACTTTTTAAAGTTAAAAAATAAAAGGCA GTTTTCTTTGCTTTGCAGGCGGCAAGGCAGGAGGCGCAGGCCTCTTCATTGTTACATGTC ACAGGAGGAGGCTCTGAGCAAAGGCCACTGGCAAGTTAGGGCAACACCAAGAAGGCTCTG CGGAGAGACTCCCTGTGGGTTGGGGCCTGGCAGGAACGGTGCCTGTGGACTGTTTATGGT CTGTACAGTTGAGGCTTGGTAAACCAAGTAAAGTGTAAAAACCTCAGTACAAAAGATC CTCTAACACATCTGGGAACCAAAATATTTCTTCTTAAAACACAGTCTTAAGTGTACAAA GCTTTTCTCCATTCTACTACTNAGAAACACTCATGCCATGGCCACAGACCCAGAAAGT CAAGACAGAGAGAACCCGTTCTTCAAAGAAAAAAGACAGCAGTCCATAAGGGCTT TCTTTTATGAAACAAAATCAAAGTATGTCCGTGGCCTAAGTTGGGCACTTCACAACCTG AAGGAACAGAAGTACGAACAGCGTCAGGACAGTCAAGTACCCAAACAAGTTGACTTGCC GCAGGGGAATCTTTCTGTAGGCTGTGCCGGGCCACCGTTGGCCAAGCCCCAGGCAGG CT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016185
<b>Insert Size:</b>	1530 bp
<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>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_016185.2</a> , <a href="#">NP_057269.1</a>
<b>RefSeq Size:</b>	1602 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	51155
<b>UniProt ID:</b>	<a href="#">Q9UK76</a>
<b>Cytogenetics:</b>	17q25.1
<b>Gene Summary:</b>	<p>Modulates negatively AKT-mediated GSK3B signaling (PubMed:21323578, PubMed:22155408). Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (PubMed:25169422). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:25169422, PubMed:25450365). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteosomal degradation (PubMed:22155408). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) contains an alternate exon in the 3' coding region, resulting in a frameshift and an early stop codon, compared to variant 2. It encodes isoform 1, which is shorter and has a distinct C-terminus, compared to isoform 2.</p>