

Product datasheet for **SC322083**

JPT1 (NM_001002033) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JPT1 (NM_001002033) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPT1
Synonyms:	ARM2; HN1; HN1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322083
 CGCGTGCCTGTGCTCGCGCCGGGGCGGGTGGCGGGGTTCTGCCGTGGCGCCGCCCTTTG
 TGCCGCCCTGGCGAGCCCTGCGCGCCGGCCCCACCCGGGTCCCTGCTGCTCCTCATTATT
 CCTTCCACGGAGTCAGGGGCTGAGGAGGCCGGGCTGGTCGCCCTTCGGAGCACGGCCGG
 TTTTCGTTAATCGGAACCTTCGGGGAGGGCTTCGCTTTCTCTGTGTGCATCCCGGCTGG
 TGCATCCCCAGGGTGGTGGGCTTGGCCCCCAGGTGCCCGGGGATCCTTTAGGGCCCCAT
 GCATGGTCAGGTCCTATTGTCCATTGATGGGCCACGCGCTCCTGTCTCTCCCCGTGGC
 ATGCGGTTGGTCTCGCTCTCGCGCGCAGCCATTGGATCCGGAGACCGGATCGATCAGGTC
 CGCGGGGCTCCTTACCCTCGCCGTGCCCCACTCCTTATTTCGGACCTACCTGACAGGTGC
 ATGTGTGGTCGAGCGGGGCTGGTCATCGCGACCCTTACCCCCATTGAGGACCAATCG
 TTCTTCCCTCTTCAAGTGCCTCCCCTTCCAAGTGTCTCCCCTTCTAACAAAGGAA
 AGACCCCTTCTCCCCATCCCTGCGCTCATTTCTAAGGCGGGGGCGGGGGCGGGCGCGGG
 GAACGAGCAACCCGAGTGGTTTTCTGCGCTTAAACCTTCGGACCGTGGCCTTTGCATC
 CTACCTTCGTTCTCTTTGACGTTTGCCAGTGAGTTCATCCCTGGCCCTGGTCCCT
 TGCAGGAGGAGTTTTCTGTTCTTGGGCGGGCCGGAGACATCCATTGTCTCTAACGTGG
 TAGCGCTACCTGGGAAGCGGGGATTTTTCTTGCCTTCTCCCACTGCTTTTTGGGCTT
 GGGCACTGGGTACAGTGTGGGACAGGAACCCTTTTCCAAGTCTTGCTTAACTTACTT
 GGTGGAAGGGTTGGATTCTGTGGAAGGTGCCACATTGTCTCAGCTAATTGCACACTGT
 TCTTTAAGAGTTTTGCGGCTCCAGGTGGTGGATCCAATTTTTATTAGGTTTTGATGAA
 CCAACAGAACAACCTGTGAGGAAGAACAATAATGGCCTCTAATATCTTTGGGACACCTGAA
 GAAAATCAAGCTTCTTGGGCAAGTCAGCAGGTGCCAAGTCTAGTGGTGGCAGGGAAGAC
 TTGGAGTCATCTGGACTGCAGAGAAGGAACCTCTGAAGCAAGTCCGGAGACTTCTTA
 GATCTGAAGGGAGAAGGTGATATTCATGAAAATGTGGACACAGACTTGCCAGGCAGCTG
 GGCAGAGTGAAGAGAAGCCCGTCCCTGCTGCGCCTGTGCCAGCCCGGTGGCCCCGGCC
 CAGTGCCATCCAGAAGAAATCCCCTGGCGGCAAGTCCAGCCTCGTCTTGGTTAGCTC
 TGACTGCTGAAACGCTGTCTTCTGTCTGTTTCTCCATGCTTGTGAAGTGCACAACCT
 GAGCCTGACTGTACATCTTGGATTTGTTTCATTAAGAAAGCAACTTATGTACTGCT
 GTCTTTTTTTTTTTTTTTTTGAAGAACAGGTTTCTCTGTCTTACTTGGGCTGT
 GGGCCATGGCATGAGTGTCTTAGTAGTAGATTGGAGGAAAGCTTTGTGACACTTAGT
 ACTGTGTTTTTAAGAAGAAATAATTTGGTTCAGATGTGTAGAGGATCTTTTGTACTGA
 GGTTTTTAACACTTACTTGGGTTTACCAAGCCTCAACTGGACAGACCATAAACAGTCCA
 CAGGCACCGTTCCCTGCCAGGCCCAACCCACAGGAGTCTCTCCGAGAGCCTTCTTGGT
 GTTGCCCTAACTTGCCAGTGGCCTTTGCTCAGAGCCTCCTCTGTGACATGTGAACAATG
 AAGAGGCTGCGCCTCCTGCCTTGCCGCTGCAAAGCAAAGAAATGCCTTTATTTTTT
 AACCTTAAAAAGTAGCCAGATAGTAAACAAGACTGGCTGGCTGATGAGCAAAGCCTTTGCT
 CTCACGCAGAGGAAGGCTTGGATGTACAATGAAACTGCCTGGAATAAAAGCAGTGAAGC
 AAGGGAGGCAATCACACTGAAGCGGGTCTTCTCCAGGAACGGGGTCCCACAGGCGTGT
 GTTTTAAATAACCTGATGCTGTGTGCATGATGCTGGTGTGACCATGAAAGGAAAGTCT
 CATCCTTAAATGTGTTGTACTTCACAATCCTGGACTGTTGCTTCAAGTAAACAATATCC
 ACATTTGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001002033

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).

OTI Annotation:	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.
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:	NM_001002033.1 , NP_001002033.1
RefSeq Size:	1696 bp
RefSeq ORF:	327 bp
Locus ID:	51155
UniProt ID:	Q9UK76
Cytogenetics:	17q25.1
Gene Summary:	<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).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and contains multiple coding region differences, one of which results in a frameshift and an early stop codon, compared to variant 2. Variants 3, 5 and 6 encode the same isoform (3), which is shorter and has distinct N- and C-termini, compared to isoform 2.</p>