

## Product datasheet for **SC300399**

### JPT1 (NM\_001002032) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JPT1 (NM_001002032) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPT1
Synonyms:	ARM2; HN1; HN1A
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001002032, the custom clone sequence may differ by one or more nucleotides ATGACCACAACCACCACCTTCAAGGGAGTCGACCCCAACAGCAGGAATAGCTCCCGAGTT TTGCGGCCTCCAGGTGGTGGATCCAATTTTTCATTAGGTTTTGATGAACCAACAGAACAA CCTGTGAGGAAGAACAAAATGGCCTCTAATATCTTTGGGACACCTGAAGAAAATCAAGCT TCTTGGGCAAGTCAGCAGGTGCCAAGTCTAGTGGTGGCAGGGAAGACTTGGAGTCATCT GGACTGCAGAGAAGGAACCTCTGAAGCAAGCTCCGGAGACTTCTTAGATCTGAAGAAA ATGTGGACACAGACTTGCCAGGCAGCCTGGGGCAGAGTGAAGAGAAGCCCGTGCCTGCTG CGCCTGTGCCAGCCCGGTGGCCCGGCCCCAGTCCATCCAGAAGAAAATCCCCCTGGCG GCAAGTCCAGCCTCGTCTTGGGTTAGCTCTGACTGTCCTGAACGCTGTCGTTCTGTCTGT TTCTCCATGCTTGTGAAGTGCACAACCTTGAGCCTGACTGTACATCTCTTGGATTGTTT CATTAA
Restriction Sites:	Please inquire
ACCN:	NM_001002032
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).



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**Reconstitution Method:**

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\\_001002032.1](#), [NP\\_001002032.1](#)

**RefSeq Size:** 1582 bp

**RefSeq ORF:** 546 bp

**Locus ID:** 51155

**UniProt ID:** [Q9UK76](#)

**Cytogenetics:** 17q25.1

**Gene Summary:** 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]  
Transcript Variant: This variant (2) encodes the longest isoform (2).