

Product datasheet for **SC333672**

JPT1 (NM_001288611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JPT1 (NM_001288611) Human Untagged Clone
Tag:	Tag Free
Symbol:	JPT1
Synonyms:	ARM2; HN1; HN1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333672 representing NM_001288611. Blue=Insert sequence Red=Cloning site Green=Tag(s)

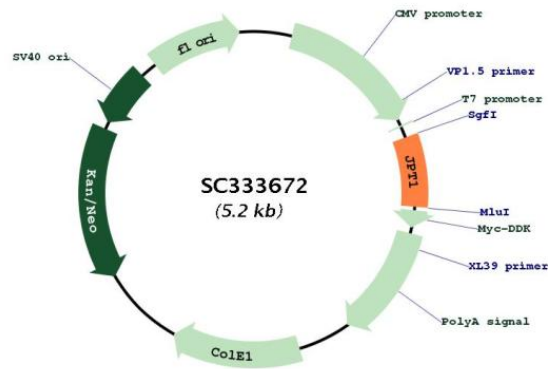
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCACAACCACCACCTTCAAGGGAGTCGACCCCAACAGCAGGAATAGCTCCCGAGTTTTGCGGCCT
CCAGGTGGTGGATCCAATTTTTCATTAGTTTTGATGAACCAACAGAACAACCTGTGAGGAAGAACAAA
ATGGCCTCTAATATCTTTGGGACACCTGAAGAAAATCAAGCTTCTTGGCCAAGTCAGCAGGTGCCAAG
TCTAGTGGTGGCAGGGAAGACTTGGAGTCATCTGGACTGCAGAGAAGGAACCTCTGAAGCAAGCTCC
GGAGACTTCTTAGATCTGAAGGGAGAAGGTGATATTCATGGTAAAAAATGTGGACACAGACTTGCCAGG
CAGCCTGGGGCAGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001288611

Insert Size: 363 bp

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).

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:

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_001288611.1](#)

RefSeq Size: 1614 bp
RefSeq ORF: 363 bp
Locus ID: 51155
UniProt ID: [Q9UK76](#)
Cytogenetics: 17q25.1
MW: 12.8 kDa

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 (4) 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 4, which is shorter and has a distinct C-terminus, compared to isoform 2.