

## Product datasheet for **MC217463**

### **Pspc1 (NM\_025682) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pspc1 (NM_025682) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pspc1
Synonyms:	5730470C09Rik; AI327109; AI449052; PSP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC217463 representing NM\_025682  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGTTAAGAGAAACCTGAAGCAAGTACGTATTGAGAAAAACCCGGCTCGTCTTCGCGCCCTGGAGT  
 CGGCGGCCGGAGAGAGCGAACCGGTGGCCGCGCGGCCATGGCGCTGACGCTGGCCGGCAGCAGGCGCC  
 GCCACCCGCACCTTCCGAGGAGCACCCGGACGAGGAATTGGGCTTCACCATCGACATCAAGAGTTTCCTC  
 AAGCCGGGCGAGAAGACGTACACGCAGCGCTGCCGCTCTTCGTGGGTAACTGCCACAGACATCACGG  
 AGGAGGACTTCAAGCGCCTCTTTGAGCGCTACGGAGAGCCAGCGAGGTCTTCATCAACCGCAGCCGAGG  
 CTTGCGCTTCATCCGCTGGAATCGAGAACACTGGCTGAAATTGCAAAAGCAGAGTTGGATGGCACCATA  
 CTGAAGAGCAGACCTCTCCGAATTCGTTTGTACACATGGAGCAGCCCTAACGGTCAAGAACCTTTCTC  
 CGGTTGTTTCCAATGAGCTTCTAGAGCAAGCATTTTCCAGTTTGGCCAGTAGAGAAAGCTGTTGTGGT  
 TGTGGATGATCGTGGTAGAGCCACAGGAAAAGTTTTGTAGAATTTGCAGCGAAACCTCCTGCACGAAAG  
 GCTCTGGAGAGATGTGGTATGGGGCTTCTTGCTAACAACAACACCTCGTCCAGTCATTGTAGAACCCA  
 TGGAGCAGTTTGATGATGAAGATGGTTTACCAGAGAAGCTAATGCAGAAAACCTAACAGTACCATAAGGA  
 AAGAGAACAGCCACCACGGTTTGTCTCAACCTGGGACATTTGAATTTGAATATGCGTCTCGATGGAAGGCT  
 CTTGATGAAATGGAAAAGCAGCAGCGGGAACAAGTTGATAGAAAACATCAGAGAAGCCAAAGAGAAAACGG  
 AGGCAGAGATGGAAGCAGCTAGACATGAACACCAGTTAATGCTAATGAGGCAAGATCTAATGAGACGTCA  
 AGAAGAACTCAGACGTTTGAAGAAGCTCAGAAAACAAGAACTGCAGAAAACGAAAGCAAATACAACAGAGA  
 CACGAAGAAGAGCATCGTCGTCGTAAGAAGAAATGATCCGTACAGAGAGCAGGAGGAGCTGAGGCGAC  
 AGCAAGAGGGCGGCTTTAAACCAAATATATGGAAAATAGAGAACAGGAAATGAGAAATGGGTGATATGGG  
 TCCCCGTGGAGCAATAAACATGGGAGATGATTTAGCCACAGCACCTGCTGGTACCCAAGGTCCTCCTCCA  
 ATGATGGGTATGAATATGAACAACAGAGAACTATACCTGGCCACCAATGGGTCTGGTCTGCCATGG  
 GACCAGAAGGAGCTGCAAAATATGGGAACTCCAATGATACCAGATAATGGCGCAGTGCACAATGATAGGTT  
 TCCCCAAGGACCTCCATCCAGATGGGTTACCCATGGGAAATAGAACAGGTTCTGAAACTCCCCAGGCA  
 CCGATGAGTGGTGTAGGGCCTGTAAAGTGGTGGTCTGGCGGCTTTGGTAGAGGGAGTCAAGGGGGCAATT  
 TTGAAGGCCCTAATAAGCGTCGGAGATAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_025682

**Insert Size:** 1572 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\\_025682.3](#), [NP\\_079958.3](#)

**RefSeq Size:** 2375 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 66645

**UniProt ID:** [Q8R326](#)

**Cytogenetics:** 14 C3

**Gene Summary:** Together with NONO, required for the formation of nuclear paraspeckles. Regulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line. Binds to poly(A), poly(G) and poly(U) RNA homopolymers. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway.[UniProtKB/Swiss-Prot Function]