

Product datasheet for **RN210895**

Pspc1 (NM_001025672) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pspc1 (NM_001025672) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pspc1
Synonyms:	MGC116378
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210895 representing NM_001025672
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTTAAGAGAACTGAAGCAAGTACGTATTGAGAAAAATCCGGCTCGCCTTCGCGCCCTGGAGT
CGGCGGCCGAGAGAGCGAGCCGGTGGCCGCGGCCCATGGCGCTGACGCTGGCCGGGAGCAGCCGCC
GCCACCCGCTCCTTCGGAGGAGCACCCGAGCAGGAGATGGGCTTACCATTGACATCAAGAGTTTCCTC
AAGCCCGCGAGAAGACGTACACGCAGCGCTGCCGCTTTCGTGGGTAACCTGCCACCGACATCACGG
AGGAGGACTTCAAGCGGCTCTTTGAGCGCTACGGCAGCCAGCGAGTTTTTCATCAACCGCAGCCGAGG
CTTCGGCTTTCATCCGCTGGAATCCAGAACACTGGCTGAAATTGCAAAAGCAGAGTTGGATGGTACCATA
CTGAAGAGCAGACCTCTCCGAATTCGTTTGTACACATGGAGCAGCCCTAACAGTCAAGAACCTGTCTC
CAGTTGTTTCCAATGAGCTTCTAGAGCAAGCATTTTCCAGTTTGGTCCAGTAGAGAAAGCTGTCGTGGT
TGTGGATGATCGTGGTAGAGCTACAGGAAAAGTTTTGTAGAATTTGCAGCGAAACCTCCTGCACGAAAG
GCTCTGGAGAGATGTGGTATGGGGCTTCTTGCTAACAAACACCTCGTCCAGTCATTGTAGAACCCA
TGGAGCAGTTTGTATGAAGATGGTTTCCAGAGAAGCTAATGCAGAAAACCTAACAGTACCATAAGGA
AAGAGAACAGCCACCACGGTTTGTCAACCTGGGACATTTGAATTTGAATATGCATCTCGATGGAAGGCT
CTGGATGAAATGGAGAAGCAGCAGCGTGAACAAGTTGATAGAAACATCAGAGAAGCCAAGGAGAACTGG
AGGCAGAGATGGAAGCCGCTAGACATGAACACCAGTTAATGCTAATGAGGCAAGATCTAATGAGACGTCA
AGAAGAACTCAGACGCTTGAAGAAGTCAAGAACTGCAGAAACGAAAGCAAATACAACCTGAGA
CATGAAGAGGAACATCGTCGTCGTAAGAAGAAATGATCAGACACAGAGAACAGGAGGAACTGAGGCGAC
AGCAGGAGGGCTTTAAACCAAATATATGGAAAATAGAGAACAGGAAATGAGAATGGGTGATATGGGTCC
CCGTGGAGCAATAAACATGGGAGATGCATTTAGCCAGCACCTGCTGGTACCCAAGGGCCTCCTCCAATG
ATGGGTATGAATATGAACAACAGAGGAACTATACTGGCCACCAATGGGTCTGCTGCCATGGGAC
CAGAAGGAGCTGCAAATATGGGAACTCCAATGATACCAGATAATGGCGCAGTGCACAATGATAGTTTCC
CCAAGGTCCTCCATCCCAAATGGGTTTCGCTATGGGAAACAGAACAGTTCTGAAACCCCCAGGCACCA
ATGAGTGTGTAGGGCTGTGAGTGGTGGTCTGGTGGCTTTGGCAGAGGGAGTCAAGGGGGCAATTTTG
AAGGCCCTAATAAGCGTCGGAGATATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001025672

Insert Size: 1569 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_001025672.1](#), [NP_001020843.1](#)

RefSeq Size: 2034 bp

RefSeq ORF: 1569 bp

Locus ID: 305910

UniProt ID: [Q4KLH4](#)

Cytogenetics: 15p12

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]