

Product datasheet for SC113593

PSPC1 (NM_018282) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSPC1 (NM_018282) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSPC1
Synonyms:	PSP1, FLJ10955, DKFZp566B1447
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018282, the custom clone sequence may differ by one or more nucleotides

ATGATGTTAAGAGGAAACCTGAAGCAAGTGCGCATTGAGAAAAACCCGGCCCGCCTTCGCGCCCTGGAGT
 CCGCGGTGGGCGAGAGCGAGCCGGCGGCCGCGGAGCCATGGCGCTCGCTCTTGCCGGGAGCCGGCACC
 GCCCGCGCCCGCCTCCAGAGGACACCCGGACGAGGAGATGGGGTTCCTATCGACATCAAGAGTTTC
 CTCAAGCCGGGCGAGAAGACGTACACGCAGCGCTGCCGCCTCTTCGTGGGAAATCTGCCACCGACATCA
 CGGAGGAGGACTTCAAGAGGCTCTTGAACGCTATGGCGAGCCAGCGAAGTCTTCATCAACCGGGACCG
 TGGCTTCGGCTTCATCCGCTTGAATCCAGAACCCTGGCTGAAATTGCAAAAGCAGAGCTGGACGGCACC
 ATTCTCAAGAGCAGACCTCTACGGATTGCTTCGCTACACATGGAGCAGCCTTGACTGTCAAGAACCTTT
 CTCCAGTTGTTTCCAATGAGCTGCTAGAGCAAGCATTTTCTCAGTTTGGTCCAGTAGAGAAAGCTGTTGT
 GGTGTGGATGATCGCGGTAGAGCTACAGGAAAAGTTTTGTAGAGTTTGCAGCAAAACCTCCTGCACGA
 AAGGCTCTGAAAAGATGTGGTATGGGGCATTCTTGCTAACACGACCCCTCGTCCAGTCATTGTGGAAC
 CCATGGAGCAGTTTGATGATGAAGATGGCTTGCCAGAGAAGCTGATGCAGAAAACCAACATATCATAA
 GGAAAGAGAACAACCAACGCTTTTGTCAACCTGGGACATTTGAATTTGAGTATGCATCTCGATGGAAG
 GCTCTTGATGAAATGAAAAGCAGCAGCGTGAGCAGGTTGATAGAAACATCAGAGAAGCCAAAGAGAAAC
 TGGAGGCGAAATGGAAGCAGCTAGGCATGAACACCAATTAATGCTAATGAGGCAAGATCTAATGAGGCG
 TCAAGAAGAACTCAGACGCTTGAAGAAGCTCAGAAACCAAGAGTTGCAAAAACGGAAGCAATACAATA
 AGACATGAAGAGGAGCATCGGCGCGGTGAGGAAGAAATGATCCGACACAGAGAACAGGAGGAACTGAGGC
 GACAGCAAGAGGGCTTTAAGCCAACTACATGGAAAATGGTGATAAAAGAAAATGTGGCTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018282 unedited

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TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCTGCAGCGGGCGTGAG
TTGGGGGAGGACGGGTTGCCGACTCGCTACCTAGCGGTCTCTTGATTGTCGATATTTTG
TTGGCATAGGTTTATGTAGAGACGTATACATATATAGACACACTGTCTATAAATCTAG
GCCTGTATCCGGTGTCCGAGGCGAACTCAGTAAGATGATGTTAAGAGGAAACCTGAAGCA
AGTGCGCATTGAGAAAAACCGGCCCGCCTTCGCGCCCTGGAGTCCGCGGTGGCGGAGAG
CGAGCCGGCGGCGCGGCGGACCCATGGCGCTCGCTCTTGCCGGGGAGCCGGCACCGCCCGC
GCCCGCGCCTCCAGAGGACCACCCGGACAGGAGATGGGGTCACTATCGACATCAAGAG
TTTCTCAAGCCGGGCGGAGAAGACGTACACGCAGCGCTGCCGCTCTTCGTGGGAAATCT
GCCCACCGACATCACGGAGGAGGACTTCAAGAGGCTCTTCAACGCTATGGCGAGCCAG
CGAAGTCTTCATCAACCGGGACCGTGGCTTCGGCTTCATCCGCTTGAATCCAGAACCCT
GGTGAAATTGCAAAAGCAGAGCTGGACGGCACCATTCTAAGAGCAGACCTCTACGGAT
TCGCTTCGCTACACATGGAGCAGCCTTGACTGTCAAGAACCTTTCTCCAGTTGTTTCAA
TGAGCTGCTAGAGCAGCATTTNTCTCAGTTTGTGGCCAGTAGAAAAGCTGNNTGTGGTTGTG
GATGATCGCNGTAAACTCGGGAAGAGTTTGGTANATTTGCAGCANAACCTNCTGCACGA
AGTCTGGAAGAGGGGGGGGATGGGGCACTTCGTGCTACAGACCCTCGTCAN
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018282 unedited

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GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAAGAAATTCGAAATGT
TTAATATTTTCATGCAGTTAAACATGCTTCAAAGCTTTAAGTCTGAAGTTTTAGACTTATCC
CAAATCCTTGCTAAGAAAGTCAAGACCACTATGGAATTCACACTGCTTCTATAGACTTCC
ACTGACTTGCAGCTAATGGTCCTTACACAGCAAAGTTGGGATTCTAGACGCTCCTTCC
AGGTTTCGAAAAGCCTCACTAGGCAAGTGGCAAGACTGTGAAGACAATGAAGGTTCAAG
TTCAGTCAAATGGAACAAGATCAGGAAACAAGATCAAGGACTCATCTGTCGCGCTGGCA
CCACTTTAGTTTTGAAGGTGACGCCACCACGCATCCCGCAGCACACACTCCTTCTGTG
CCGACTCCCGCTATTTGCTTGCCTGAGCCAGTTCATGTTTCAGTAAGAACGATTTTTCTC
CCAACAGTGCCAGTTTTCTTATCCCAATTTTGAGAGTTGACCCAAAATTGTGGGCTATG
AGGGATGGTTTTTAAAACTCCTCTAATGGTTTCCAGGCACAGAGCGTTGAAAAGGAGGGA
TTTCTTGGCTATTCTGAATTTGTGCAATTGCTGCCATACTACTCCCAACACGAACCAGCA
AGACCACCACCAAGGAGGTGGGTAAACATCTTGATTTAATTTACAAATAAAAAGCCAAA
CCCTCAATGCGAAAGGAAAGCTGCTTTTACACTTATCTGGAGATCATTTTTAACCACAA
AAAATGTGCCCTGTAGCATGTGTTTTAAATGGGCAGTGCTATGATTGCCCANACATCCAT
NNAAGTGCTGTATGAGAAAATTCAATGAAGAAATNCATAATGAAGAAAGNATTGNNTTT
CTGGCTTGGTTCTNCCTAGGCACGAACAGGATATTNCCCAACAATGTTNTGACTG
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Restriction Sites:

NotI-NotI

ACCN:

NM 018282

Insert Size:

2140 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:	<u>NM_018282.1, NP_060752.1</u>
RefSeq Size:	1769 bp
RefSeq ORF:	1368 bp
Locus ID:	55269
Cytogenetics:	13q12.11
Domains:	RRM
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a nucleolar protein that localizes to punctate subnuclear structures that occur close to splicing speckles, known as paraspeckles. These paraspeckles are composed of RNA-protein structures that include a non-coding RNA, NEAT1/Men epsilon/beta, and the Drosophila Behavior Human Splicing family of proteins, which include the product of this gene and the P54NRB/NONO and PSF/SFPQ proteins. Paraspeckles may function in the control of gene expression via an RNA nuclear retention mechanism. The protein encoded by this gene is found in paraspeckles in transcriptionally active cells, but it localizes to unique cap structures at the nucleolar periphery when RNA polymerase II transcription is inhibited, or during telophase. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene, which is also located on chromosome 13, has been identified. [provided by RefSeq, Aug 2011]