

## Product datasheet for **SC126290**

### SP17 (SPA17) (NM\_017425) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SP17 (SPA17) (NM_017425) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP17
Synonyms:	CT22; SP17; SP17-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_017425 edited</p> <pre> GGTTCCATAGGCAGTTCTTACCAAGAAGATGTCGATTCCATTCTCCAACACCCACTACCG AATTCCACAAGGATTTGGGAATCTTCTTGAAGGGCTGACACGCGAGATTCTGAGAGAGCA ACCGGACAATATACCAGCTTTTGCAGCAGCCTATTTTGAGAGCCTTCTAGAGAAAAGAGA GAAAACCAACTTTGATCCAGCAGAATGGGGGAGTAAGGTAGAAGACCGCTTCTATAACAA TCATGCATTGAGGAGCAAGAACCACCTGAGAAAAGTGATCCTAAACAAGAAGAGTCTCA GATATCTGGGAAGGAGGAAGAGACATCAGTCACCATCTTAGACTCTTCTGAGGAAGATAA GGAAAAAGAAGAGGTTGCTGTGCTCAAAATCCAAGCTGCCTTCCGGGGACACATAGCCAG AGAGGAGGCAAGAAAAATGAAAACAAATAGTCTTCAAAATGAGGAAAAAGAGGAAAAACA GTGAGGACACTGGTTTTACCTCCAGGAACATGAAAAATAATCCAATCCATCAACCTTC TTATTAATGTCATTTCTCCTGAGGAAGGAAGATTTGATGTTGTGAAATAACATTCGTTA CTGTTGTGAAA AAA </pre>


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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017425 unedited</p> <pre> CAGTCTAGAATTGTATACGACTCATATAGGCGGCCGCTATTCAAATCTGGTACCGGTCC GGAATTCCTGGGATGGCGGCACCAGCTCGGAGAGAAAGGAGGTTCCATAGGCAGTTCTTA CCAAGAAGATGTCGATTCCATTCTCCAACCCCACTACCGAATCCACAAGGATTGGGA ATCTTCTTGAAGGGCTGACACGGAGATTCTGAGAGAGCAACCGGACAATATACAGCTT TTGCAGCAGCCTATTTTGAGAGCCTTCTAGAGAAAAGAGAGAAAACCACTTTGATCCAG CAGAATGGGGGAGTAAGGTAGAAGACCGCTTCTATAACAATCATGCATTGAGGAGCAAG AACCACTGAGAAAAGTGATCCTAAACAAGAAGAGTCTCAGATATCTGGGAAGGAGGAAG AGACATCAGTCACCATCTTAGACTCTTCTGAGGAAGATAAGGAAAAAGAGAGGTTGCTG CTGTCAAATCCAAGCTGCCTTCCGGGGACACATAGCCAGAGAGGAGGCAAGAAAATGA AAACAAATAGTCTTCAAATGAGGAAAAAGAGGAAAACAAGTGAAGGACACTGGTTTTACC TCCAGGAAACATGAAAAATAATCAAATCCATCAACCTTCTTATTAATGTCATTCTTCC TGAGGAAGGAAGATTTGATGTTGTGAAATAACATTCGTTACTGTTGTGAAAAANAANNNN NNNNNNNANNNNNNNNNAAAAGNNGNNNNNNNANNANNTNNNNCCNGAACAAATCACCG AAGGAATCCANNGGGGGGGCCCGCGCTCCCTGCTTGCTGCAGAATACAGCCTGAAGGC ATCGTGACCCCCCTCCGAGTGCCTTGCCCGGGCAAGTAGTTGCCATGGGCCCCACCAG GCTGTACAAAAAATAATTGCATTTGTTGGCTGATAGGT </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_017425
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_017425.2, NP_059121.1</u>
<b>RefSeq Size:</b>	954 bp
<b>RefSeq ORF:</b>	456 bp
<b>Locus ID:</b>	53340
<b>UniProt ID:</b>	<u>Q15506</u>
<b>Cytogenetics:</b>	11q24.2

**Gene Summary:**

This gene encodes a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. The protein was initially characterized by its involvement in the binding of sperm to the zona pellucida of the oocyte. Recent studies indicate that it is also involved in additional cell-cell adhesion functions such as immune cell migration and metastasis. A retrotransposed pseudogene is present on chromosome 10q22.[provided by RefSeq, Jan 2009]