

## Product datasheet for **MC217821**

### **Spc25 (BC027121) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spc25 (BC027121) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Spc25  
**Synonyms:** 2600017H08Rik; 2610205L13Rik; Spbc25  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC027121  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGTGAAGACGAATTGGCACTCTTAATCAAAGCATCAATGAATTTGGGGATAAGTTCAGAAACAGAC  
TCGATGATAATCATAGTCAAGTGTGGGACTTAGAGACGCCTTCAAGGACTCCATGAAAGCGTTTTTCAGA  
AAAGATGTCTTTGAAATTAAGGAAGAAGAGAGGATGACTGAGATGATTCTGGAGTATAAAAACAGCTC  
TGTAAGCAGAATAAGCTCATTCAAGAAAAGAAAGAGAATGTGTTGAAGATGATTGCTGAAGTAAAAGGCA  
AGGAGCAAGAGTCGGAAGAGCTGACTGCTAAAATCCAGGAGCTCAAGGAAGAGTACGCTAGGAAGAGGGA  
AACCATTTCCACTGCTAACAAAGCTAATGAAGAGAGATTGAAAGGACTGCAGAAATCAGCGGATCTGTAT  
AGAGATTACCTTGGACTAGAAAATTAGAAAGATTCACGGTAATAAAATGCAGTTTATATTTACTAGTATTG  
ACCCTAAGAAATCCTGAGAGCCCATATATGTTTTCCATGAGCATAAATGAAGCTAAGGAATATGAAGTGTA  
CGACAGTTCGCCCTCATCTTGAGTGCCTAGCAGAATTTCCAGGAGAAAGTCAAGGAAGACCAACAATTTTCA  
GCTTTTCTTGCCAATATTCGGAAGGCTTTTATAGCTAAGGTTTCATAATTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC027121  
**Insert Size:** 681 bp



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<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><a href="#">BC027121</a></u> , <u><a href="#">AAH27121</a></u>
<b>RefSeq Size:</b>	1344 bp
<b>RefSeq ORF:</b>	680 bp
<b>Locus ID:</b>	66442
<b>Cytogenetics:</b>	2 C2
<b>Gene Summary:</b>	This gene encodes a component of the kinetochore-associated NDC80 protein complex, which is required for the mitotic spindle checkpoint and for microtubule-kinetochore attachment. During meiosis in mouse, the protein localizes to the germinal vesicle and then is associated with the chromosomes following germinal vesicle breakdown. Knockdown of this gene in oocytes results in precocious polar body extrusion, chromosome misalignment and aberrant spindle formation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]