

## Product datasheet for **MC200621**

### **Psm�4 (BC009005) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psm�4 (BC009005) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Psm�4  
**Synonyms:** Mcb1, angiocidin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC009005  
 CGGACGCGTGGGCGGACGCGTGGGGCAAGATGGTGTGGAGAGCACTATGGTTTGTGTGGACAACAGTG  
 AGTACATGCGGAACGGAGACTTCCTTCCCACCCGGCTGCAGGCCAGCAGGATGCCGTCAACATTGTATG  
 TCACTCAAAGACCCGAAGCAACCCTGAGAATAACGTGGGCCTGATCACACTGGCCAACTGACTGTGAGGTG  
 CTGACCACACTACCCCGGACACTGGCCGTATCCTCTCCAAGCTCCACACTGTCCAACCCAAAGGCAAGA  
 TCACCTTCTGCACTGGCATCCGCGTGGCCACTTGGCTCTGAAGCACCGGCAGGGCAAGAATCACAAGAT  
 GCGCATCATCGCCTTTGTCGGTAGCCCTGTGGAGGACAACGAGAAGGATCTGGTGAAACTAGCTAAACGC  
 CTTAAGAAAGAAAAAGTGAATGTTGACATCATTAAATTTGGGGAAGAGGAGGTGAACACAGAGAAGCTGA  
 CAGCCTTTGTGAACACACTGAATGGCAAGGATGGAAGTGGTCCCCTAGTGACAGTGCCTCCTGGACC  
 TAGCTTGGCTGATGCTCTCATCAGTTCTCCTATTCTGGCTGGTGAAGGCGGTGCCATGCTGGGTCTTGGT  
 GCCAGTGACTTTGAGTTTGGAGTAGATCCCAGTCTGATCCTGAATTGGCCCTGGCCCTTCGAGTCTCTA  
 TGGAAGAGCAGCGCAGCGGAGGAGGAAGAGGCACGGCGGGCCCTGCGGCCTCTGCAGCTGAGGCTGG  
 AATTGCTACACCTGGGACTGAAGGTGAAAGAGACTCGGATGACGCCCTACTGAAGATGACCATCAACCAG  
 CAGGAGTTTGGCCGCTCCTGGGCTTCCAGACCTAAGCAGCATGACTGAGGAAGAGCAGATCGCCTACGCCA  
 TGCAGATGTCCCTGCAGGGAACAGAGTTTAGCCAAGAATCGGCTGACATGGATGCCAGCTCAGCCATGGA  
 CACATCTGATCCAGTCAAGGAGGAGGATGACTATGACGTGATGCAGGACCCGGAGTTCTTCAGAGCGTC  
 CTAGAGAACCTTCCAGGTGTGGATCCCAACAATGCAGCCATTGCAAGTGTGATGGGGCTCTGGCCCTCC  
 AGGCCACCAAGGATGGCAAGAATGACAAGAAAGAGGAAGAGAAGAAGTGAACCCGAGGGGAGGGGTAGCT  
 GTGTCTGCCCGGGGACTGTAAGACGGGGTTGGATAGAGGCTTAGATGTGCTCTGCTGCCTTTATGATGG  
 AATAAAGCTTGGCAAGTTTTCCCCTTTAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC009005  
**Insert Size:** 1140 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>	<a href="#">BC009005</a> , <a href="#">AAH09005</a>
<b>RefSeq Size:</b>	1301 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	19185
<b>Cytogenetics:</b>	3 40.74 cM
<b>Gene Summary:</b>	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin-interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains.[UniProtKB/Swiss-Prot Function]