

## Product datasheet for **RN204865**

### **Psmid13 (NM\_001108925) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psmid13 (NM\_001108925) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Psmid13  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204865 representing NM\_001108925  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGAAGGATGTGCCGGCCTTCTTACAGCAGAGTCAGAGCTCCGGGCCGGGCCAGGCCGCCGTTTGGCACC  
GTTTGAAGAGCTATACACGAAGAAGTTATGGCATCAGCTGACACTTCAGGTGCTTGATTTTGTGCAGGA  
CCCATGCTTTGGCCCAAGGAGATGGCCTCATTAAAGCTCTATGAAAACCTTCATCAGTGAATTTGAGCAGG  
GTA AACCTTTGTCCTGGTAGAAATAATTCTTCATGTGGTTAGACAGATGACCGATCCTAATGTGGCTC  
T TACTTTTCTGAAAAGACTCGTGAGAAGTAAAAAGTAGTGATGAAGCCGTGATCTTGTGAAGACAGC  
AATCGGAGCTCTAAAATTGAACATCGGGGATCTGCAGGCTACAAAGGAAACCATTGAAGATGTTGAAGAG  
ATGCTCAACAATCTCCCTGGTGTGACGTCAGTTCACAGTCGTTTCTACGATCTCTCCAGTAAATACTATC  
AAACAATCGGAAACCACGCGTCTACTACAAAGATGCCCTACGGTTTCTGGGCTGTGTAGACATAAAGGA  
TCTGCCAGTATCAGAACAGCAAGAAAGAGCCTCACACTGGGGCTTGTGGACTTCTCGGAGAGGGAGTT  
TTTAACTTTGGAGAACTTCTCATGCATCCTGTGCTGGAGTCACTGAGGAACACTGACCGGAGTGGCTGA  
TTGACACCCTGTATGCTTCAACAGTGGTGTATGATAGGTTCCAGACTGAAGTCTGCTGGGCCA  
GCAGCCTGACTTAGCAGCAACGAGGCCAGCTTCTGAGGAAGATCCAGCTGTTGTGCCCTATGGAGATG  
ACGTTACACGGCCTGCCAACACAGACAACACTCACTTTTGAGGAAATTGCCAAAAGTGCCAAAGATCACTG  
TCAACAAGGTGGAGCTGTTGGTGTGATGAAGGCACTCTCGGTGGGGCTGGTGTGAGAGGCAGCATAGACGAGGT  
GGACAAGCGGGTTACATGACGTGGGTGCAGCCTCGAGTGTGGATTTGCAGCAGATCAAGGGATGAAG  
GACCGTCTGGAGCTCTGGTGCCTGATGTGAAGAGCATGGAGTCTGCTGGTAGAACACCAGGCTCAAGACA  
TCCTCACCT**AA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001108925



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<b>Insert Size:</b>	1131 bp
<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="#">NM_001108925.2</a></u> , <u><a href="#">NP_001102395.1</a></u>
<b>RefSeq Size:</b>	1550 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	365388
<b>UniProt ID:</b>	<u><a href="#">B0BN93</a></u>
<b>Cytogenetics:</b>	1q41
<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.[UniProtKB/Swiss-Prot Function]