

## Product datasheet for RN207220

### Tamm41 (NM\_001108642) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tamm41 (NM\_001108642) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Tamm41  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN207220 representing NM\_001108642  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCTGCAGGCGCTGCACAGCTCGGGCGTGGGCTGCGCAGGATTCTGGCTCACTTCCCGGAGGACC  
 TGATTTGGCCTTCGCCTACGGCTCGCGGTGTATCGCCAGGCAGGACCCAGTGCACACCAGGAGAATCC  
 CATGTTAGATCTAGTGTTACAGTAGATGACCCGTGTCCTGGCATGCAATGAACCTGAAGAAGAAGTGG  
 AGCCACTACTCTCTCAAACCTTTGGGGCCAGGATCATCTCATCCGTCCAGAATAATTATGGTGCCG  
 GCGTCTACTTCAACCCACTGATCATGTGTGACGGGAAGCTTATCAAATATGGGGTCAATAGCACTGGCAC  
 TCTGATTGAGGACCTCCTGAACTGGAATAACCTATATATCGCCGGACGTCTCCAAAAGCCGGTGAAGATT  
 GTATCGATGAATGAGAGCACAGTCTTAGAGCTGCCCTGGATAAAAAACCTGAAGAGTGCGGTGACCACCG  
 CCTGCCTCATGCTACCCGAAAGCTTCTCTGAGGAAGACCTATTCATAGAGATTGCTGGGCTCTCCTACTC  
 AGGTGACTTCCGAATGGTATTGGAGAAGAGAAAGCCAAAGTGTGAACATCGTGAAGCCCAACGTAGTC  
 CATTTCCGAGAGCTCTATGAGAGCATATTACAGAAGGACCCTCAGATGGTGTATAAGATGCATCAGGGCC  
 AACTGGAGATAGATAAAAGCCCAGAAGGACAGTCTACTCAGCTAATGACATTGCCTAGAAGTTACAGCA  
 GCATATCAATCACATCATGGACCCTCTGGGAGAAACAGGGATGTGGAAGAGACTTACTGCAAGTGGCT  
 CAGGACCCGACTGTGGTACGTTGACGACTAGCGGTCTTCAATCGTCAGACCTTCCAGCATCAGGC  
 AGAGCACCAAAGGCCTTTTACTGCTGGTGAAGAAGTCTGTGATTTATAGTTCACGAAAACCTGAACAA  
 AATGTGAAAAGGGTGGGTGAGAAAAACATCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001108642



<b>Insert Size:</b>	1014 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_001108642.1</a></u> , <u><a href="#">NP_001102112.1</a></u>
<b>RefSeq Size:</b>	1190 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	362419
<b>UniProt ID:</b>	<u><a href="#">D3ZKT0</a></u>
<b>Cytogenetics:</b>	4q42
<b>Gene Summary:</b>	Catalyzes the conversion of phosphatidic acid (PA) to CDP-diacylglycerol (CDP-DAG), an essential intermediate in the synthesis of phosphatidylglycerol, cardiolipin and phosphatidylinositol.[UniProtKB/Swiss-Prot Function]