

## Product datasheet for **MC209597**

### Tssk1 (NM\_009435) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tssk1 (NM\_009435) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tssk1  
**Synonyms:** Stk22a; TSK-1; Tsk1; Tssk; Tssk1b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209597 representing NM\_009435  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGATGACGCTGCCGTCTCAAGCGACGAGGCTACATCATGGGGATAAACTGGGAGAGGGCTCATATG  
CCAAAGTCAAATCCGCTTACTCTGAGCGCTAAAGTTCAACGTGGCGGTCAAGATCATCGATCGCAAGAA  
AGCCCCCTCAGACTTCTGGAGAAATTCCTTCCCCGGGAGATTGAGATTCTGGCCATGCTAAACCACCGC  
TCTATTGTCAAGACCTATGAGATCTTTGAGACATCAGATGGCAAGGTCTACATTGTATGGAGCTTGGGG  
TCCAGGGTGACCTCCTCGAGTTCATCAAAACCAGAGGAGCCCTGCAAGAGGATGATGCTCGAAAAGAAGT  
CCACCAGCTCTCCTCGGCATCAAGTACTGCCACGACCTGGATGTCGTCCACCGAGACCTCAAATGTGAG  
AACCTTCTGCTTGACAAGGACTTCAACATCAAACGTGTCTGACTTCGGCTTCTCCAAGCGCTGCTTGGGG  
ATGATAGTGGTCGACTGATATTAAGCAAGACCTTCTGTGGGTGAGCAGCTTATGCGGCCCCCGAGGTGCT  
GCAGGGCATCCCCACCAGCCAAAGGTGTATGACATCTGGAGCCTGGGTGATTCTCTACATCATGGTC  
TGTGGCTCCATGCCCTACGATGACTCCAACATCAAAAAGATGCTGCGCATCCAGAAGGAGCACCGGTGCA  
ACTTTCCAGCTCTAAACACCTGACTGGTGAGTGCAAGGACCTCATCTACAGAATGTTACAGCCAGATG  
CAACCGCCGGCTGCACATCGATGAGATCCTTAACCACTGCTGGGTGCAGCCCAAGGCACGAGGCTGTCC  
TCTGGAGCCATCAACAAGGAGGGGAAAGCTCCCCGGGCCACTGAGCCCTCATGGATCCCTGAACCTGGTG  
CTGATAAGAAGTCTGCCACCAAGTTGGAGCCTAGGGAAGAGGCACGATCTGAGGCCCGGTCTGAGTCAAA  
ACCCCAGGAAGATACTTTGCAGGTGGTCAGGCAGTCAGAGAACGTGGGCCTCAGCAGCGAACTGAACAGG  
GACACAGAGGAAGGGCACCCCAACAGCCTTCAGAGACACATACT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009435



<b>Insert Size:</b>	1098 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_009435.2</a></u> , <u><a href="#">NP_033461.2</a></u>
<b>RefSeq Size:</b>	1466 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	22114
<b>UniProt ID:</b>	<u><a href="#">Q61241</a></u>
<b>Cytogenetics:</b>	16 11.09 cM
<b>Gene Summary:</b>	Testis-specific serine/threonine-protein kinase required during spermatid development (PubMed:20053632, PubMed:23599433). Phosphorylates 'Ser-281' of TSKS (PubMed:20053632). Involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm (PubMed:20053632). During spermatogenesis, required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body (PubMed:20053632).[UniProtKB/Swiss-Prot Function]