

## Product datasheet for MC211139

### Tssk4 (NM\_029596) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tssk4 (NM\_029596) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Tssk4  
 Synonyms: 1700020B19Rik; 4933424F08Rik  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC211139 representing NM\_029596  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAAGGGAGACACCTCGGAAACAGCATCAGCCACCCAGCCTATCGCTCTGTCATGGAGGAGTATG  
 GTTATGAGGTGGCAAGATCATTGGCCATGGCTCCTATGGAAGTGTCTATGAGGCATACTACACAAAGCA  
 GAAGGTCATGGTGGCTGTCAAGATCATCTCGAAGAAGAAGGCCTCTGAAGACTATCTCAACAAGTTCCTA  
 CCACGTGAGATACAGGTAATGAAAGTCCTACGGCACAAGTACCTCATCAACTTCTATCAGGCCATTGAGA  
 CCACATCCCGAGTATACATCATTTTGGAGCTGGCTCAGGGCGGTGATGTCCTCGAATGGATCCAACGATA  
 TGGGGCCTGTGCTGAGACCCCTTGTGGCAAGTGGTTCTCCAGATGGCTTTGGGCATCGCCTACCTGCAC  
 AGCAAGGGCATCGTGCACCGGGATTTAAAGTTGGAGAACCTGTTGCTGGACAAGCGGGAGAATGTGAAGA  
 TATCGGACTTTGGCTTCGCCAAGATGGTGCCTTAGCCAGCCTGTGCATAGTAGCCCTTCTTACCGCCA  
 AATGAACAGCCTTTCCACCTCAGCCAGACCTACTGTGGCAGCTTTGCTTACGCCTGCCCGGAGATCTTG  
 CTAGGCTTGCCCTACAACCCCTTCTGTCTGACACCTGGAGCATGGGCGTCATCCTCTACACTCTAGTGG  
 TTGCACGGCTGCCCTTTGATGACACCAATCTCAAGAAGCTGCTGAGAGAAACCCAGAAGGAGGTCACTTT  
 CCCAGCTAACTTGACCATCTCCCAGGAGTGCAAGAACCTGATCCTCCAGCTGCTACGCCAATCTACCAAG  
 CGTGCCACCATCCTAGATGTCCTCAGGGACCCCTGGATGCTCAAGTTCAGCCTGAGCAACCTTCGAATG  
 AAATCAGGCTGCTCGAGGCCATGTACCAACCCACCAGCTCTGCTAAACGGCACCAGTCTTGGAAATCAC  
 AACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_029596



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<b>Insert Size:</b>	987 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>	<a href="#">NM_029596.1</a> , <a href="#">NP_083872.1</a>
<b>RefSeq Size:</b>	1131 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	71099
<b>Cytogenetics:</b>	14 C3
<b>Gene Summary:</b>	Isoform 1: Serine/threonine kinase which is involved in male germ cell development and in mature sperm function (PubMed:17927909, PubMed:23599433, PubMed:23054012, PubMed:25361759, PubMed:26940607). May be involved in the Cre/Creb signaling pathway (PubMed:26940607). Phosphorylates CREB1 on 'Ser-133' in vitro and can stimulate Cre/Creb pathway in cells (By similarity). Phosphorylates CREM on 'Ser-116' in vitro (PubMed:26940607). Phosphorylates ODF2 on 'Ser-95' (PubMed:26961893).[UniProtKB/Swiss-Prot Function]