

## Product datasheet for MC211140

### Tssk4 (NM\_027673) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tssk4 (NM\_027673) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tssk4  
**Synonyms:** 1700020B19Rik; 4933424F08Rik; TSK-4; TSSK-4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211140 representing NM\_027673  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGAAGGGAGACACCTCGGAAACAGCATCAGCCACCCAGCCTATCGCTCTGTCATGGAGGAGTATG  
GTTATGAGGTGGCAAGATCATTGGCCATGGCTCCTATGGAAGTGTCTATGAGGCATACTACACAAAGCA  
GAAGGTCATGGTGGCTGTCAAGATCATCTCGAAGAAGAAGGCCTCTGAAGACTATCTCAACAAGTTCCTA  
CCACGTGAGATACAGGTAATGAAAGTCCTACGGCACAAGTACCTCATCAACTTCTATCAGGCCATTGAGA  
CCACATCCCGAGTATACATCATTTTGGAGCTGGCTCAGGGCGGTGATGTCCTCGAATGGATCCAACGATA  
TGGGGCCTGTGCTGAGACCCCTTGTGGCAAGTGGTTCTCCAGATGGCTTTGGGCATCGCCTACCTGCAC  
AGCAAGGGCATCGTGCACCGGATTTAAAGTTGGAGAACCTGTTGCTGGACAAGCGGGAGAATGTGAAGA  
TATCGGACTTTGGCTTCGCCAAGATGGTGCCTTAGCCAGCCTGTGCATAGTAGCCCTTCTTACCGCCA  
AATGAACAGCCTTTCCACCTCAGCCAGACCTACTGTGGCAGCTTTGCTTACGCCTGCCCGGAGATCTTG  
CTAGGCTTGCCCTACAACCTTTCTGTCTGACACCTGGAGCATGGGCGTCATCCTCTACACTCTAGTGG  
TTGCACGGCTGCCCTTTGATGACACCAATCTCAAGAAGCTGCTGAGAGAAACCCAGAAGGAGGTCACTTT  
CCCAGCTAACTTGACCATCTCCCAGGAGTGCAAGAACCTGATCCTCCAGCTGCTACGCCAATCTACCAAG  
CGTGCCACCATCCTAGATGTCCTCAGGGACCCCTGGATGCTCAAGTTCAGCCTGAGCAACCTTCGAATG  
AAATCAGGCTGCTCGAGGCCATGTACCAACCCACCAGCTCTGCTAAACGGCACCAGTCTTGGAAATCAC  
AACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027673



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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_027673.3</a> , <a href="#">NP_081949.1</a>
<b>RefSeq Size:</b>	1243 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	71099
<b>UniProt ID:</b>	<a href="#">Q9D411</a>
<b>Cytogenetics:</b>	14 C3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>