

## Product datasheet for **MG205606**

### Tssk1 (NM\_009435) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tssk1 (NM_009435) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tssk1
Synonyms:	Stk22a; TSK-1; Tsk1; Tssk; Tssk1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205606 representing NM_009435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGACGCTGCCGTCTCAAGCGACGAGGCTACATCATGGGGATAAACTTGGGAGAGGGCTCATATG  
CCAAAGTCAAATCCGTTACTCTGAGCGCTAAAGTTCAACGTGGCGGTCAAGATCATCGATCGCAAGAA  
AGCCCCCTCAGACTTCTGGAGAAATTCCTTCCCGGGGAGATTGAGATTCTGGCCATGCTAAACCACCGC  
TCTATTGTCAAGACCTATGAGATCTTTGAGACATCAGATGGCAAGGTCTACATTGTCATGGAGCTTGGGG  
TCCAGGGTGACCTCCTCGAGTTCATCAAAACCAGAGGAGCCCTGCAAGAGGATGATGCTCGAAAGAAGTT  
CCACCAGCTCTCCTCGGCCATCAAGTACTGCCACGACCTGGATGTCGTCCACCGAGACCTCAAATGTGAG  
AACCTTCTGCTTGACAAGGACTTCAACATCAAACCTGTCTGACTTCGGCTTCTCCAAGCGCTGCTTGGCGG  
ATGATAGTGGTCGACTGATATTAAGCAAGACCTTCTGTGGGTGAGCAGCTTATGCGGCCCCCGAGGTGCT  
GCAGGGCATCCCCACCAGCCAAAGGTGTATGACATCTGGAGCCTGGGTGTGATTCTCTACATCATGGTC  
TGTGGCTCCATGCCCTACGATGACTCCAACATCAAAAAGATGCTGCGCATCCAGAAGGAGCACCAGTGTCA  
ACTTTCCACGCTCTAAACACCTGACTGGTGAGTGAAGGACCTCATCTACAGAATGTTACAGCCAGATGT  
CAACCGCCGGCTGCACATCGATGAGATCCTTAACCACTGCTGGGTGCAGCCCAAGGCACGAGGTCTGTCC  
TCTGGAGCCATCAACAAGGAGGGGAAAGCTCCCGGCCACTGAGCCCTCATGGATCCCTGAACCTGGTG  
CTGATAAGAAGTCTGCCACCAAGTTGGAGCCTAGGGAAGAGGCACGATCTGAGGCCCGGTCTGAGTCAAA  
ACCCAGGAAGATACTTTGCAGGTGGTCAGGCAGTCAGAGAACGTGGGCCTCAGCAGCGAACTGAACAGG  
GACACAGAGGAAGGGCACCCCAACAGCCTTCAGAGACATACT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205606 representing NM\_009435  
 Red=Cloning site Green=Tags(s)

MDDAAVLKRRGYIMGINLGEESYAKVKSAYSERLKFNVAVKIIDRKKAPSDFLFKFLPREIEILAMLNHR  
 SIVKTYEIFETSDGKVIIVMELGVQGDLLLEFIKTRGALQEDDARKKFHQLSSAIKYCHDLDDVVRDLKCE  
 NLLLDKDFNIKLSDFGFSKRCLRDDSGRLILSKTF CGSAAAYAPEVLQGIPIYQPKVYDIWSLGVILYIMV  
 CGSMPYDDSNIKMLRIQKEHRVNFPRSKHLTGECKDLIYRMLQPDVNRRLHIDEILNHCWVQPKARGLS  
 SGAINKEGESSRATPEPSWIPEPGADKKSATKLEPREEARSEARSESKPQEDTLQVVRQSENVGLSSELNR  
 DTEEGHPQPSEHT

TRTRPLE - GFP Tag - V

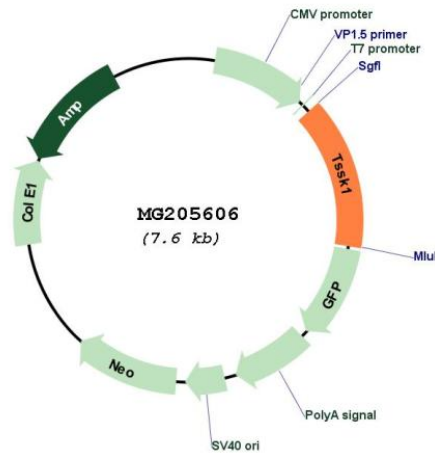
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_009435

<b>ORF Size:</b>	1095 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_009435.2</a> , <a href="#">NP_033461.2</a>
<b>RefSeq Size:</b>	1466 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	22114
<b>UniProt ID:</b>	<a href="#">Q61241</a>
<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]