

## Product datasheet for **MG217048**

### Tssk5 (NM\_183099) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tssk5
Synonyms:	1700091F14Rik
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG217048 representing NM\_183099  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGGAGCAGCAGCTGGCGCAAGTCGGATCAGAGGGTGTTTCATAGAACAGGTTTCGAGAATGCATGAACA  
ACGGTTACTTGCTCTCCTCCAAGAAGATCGGATCTGGTGCTTTCTCCAAGGCTACCTGGCCTATGCAAC  
ACGTGAGCGAATGAAGCACAACCTAGGCTATCCTCTGACTTGGGGCAAGCGCCACACTATGGTGGCT  
ATCAAGATTGTGTCCATGGCTGAAGCCCCGGCGGAATACTCCAGAAAGTTCCTGCCCGTGAGATTTTAT  
CACTCAATGTCTACCTACAAGCACATGAACATAGTTCAACTGTATGAGACCTACCAGAACAGCCAGCGCTC  
CTACCTGGTACTGGAGTTGGCAGCTAGAGGTGACCTGTTGGAGCATATCAACGCAAGTGTGACACCTCCGA  
TGTTGCCAGGACTGGAGGAGGAAGAAGCCGAAGGCTGTTCTGGCAACTGGTCAGCGCTGTGGCCCACT  
GCCACAATGTTGGCATTGTACACAGGGACTTGAATGTGAAAATATCCTGTTGGATGACCAGGGCTTCAT  
AAAGCTGACAGATTTTGCTTTGCCAACTGGGTGGGGCTCAAGAAGCTCCCTGCTGAGCACCTTCTGTGGC  
TCGGTGGCCTATACGGCCCCAGAGATCCTCATGAGCAAGAAGTACAACGGTGAGCAGGCTGATCTGTGGA  
GCCTAGGGATCATCCTCCATGCTATGGTGTCTGGGAAGCTGCCCTCAAGGAACACCAGCCCCATCGCAT  
GCTGAACCTGATTCGTGAGGTCCCATCTTCAGGCCAGGGCTGTCCCCAGAGTGCCGGGACCTGATCCGA  
GGGTGCTTCAGCTGCATCCATGTGAACGTCTGGACCTACAGCAGGTAGCTGCTCACTGGATGCTGC  
CTGCAGAACACATGCTGTCTCTGCACTTGGAGCTCCCCGAGAACAGGATCATTCTGGTCCACAGTAGC  
CCCAGACAACAGAGCCTGACAGAGACACCAGGCATGCCAGAAGCAAAGGCTCCAGCTCCTCCAGTGCC  
AGGACATCTCCAAGGAGACCGTCTCTGGCCAGCTGTGCAACACCTGGAAGCCTGCACCAGAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG217048 representing NM\_183099  
 Red=Cloning site Green=Tags(s)

MRSSSWRKSDQRVFIQVRECMNNGYLLSSKIGSGAFSKVYLAYATRERMKHNPRLSSDLRGKRHTMVA  
 IKIVSMAEAPAEYSRKFLPREILSLNATYKHMNIYQLYETYQNSQRSYL VLELAARGDLLEHINAVSDLR  
 CCPGLEEEEEARRLFWQLVSAVAHCHNVGI VHRDLKCENILLDDQGF IKL TDFGFANWVGLKNSLLSTFCG  
 SVAYTAPEILMSKKYNGEQADLWSLGIILHAMVSGKLPFKEHQPHRMLNLIRRGPIFRPGLSPECRDLIR  
 GLLQLHP CERL DLQQVAACHWMLPAEHLSSALGAPREQDHSWSTVAPDNTEPDRDTRHARSKGSSSSSSG  
 RTSPRRPSLAQLCNTWKPAP EQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_183099

**ORF Size:** 1116 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_183099.2](#), [NP\\_898922.2](#)

**RefSeq Size:** 1514 bp

**RefSeq ORF:** 1119 bp

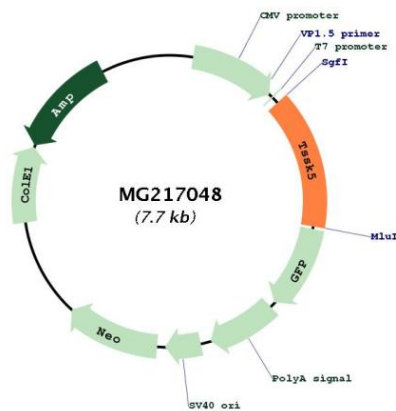
**Locus ID:** 73542

**UniProt ID:** [Q8C1R0](#)

**Cytogenetics:** 15 D3

**Gene Summary:** May be involved in a signaling pathway during male germ cell development or mature sperm function.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG217048