

## Product datasheet for **RC205564**

### TSSK6 (NM\_032037) Human Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | TSSK6 (NM_032037) Human Tagged ORF Clone                          |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | TSSK6                                                             |
| Synonyms:                 | CT72; FKSG82; SSTK; TSSK4                                         |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >RC205564 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGAGACAACTTCTGAGCGAACTCGTTATAAGCTGGGCCGACGATTGGAGAGGGCAGCTACT  
CCAAGGTGAAGGTGGCCACATCCAAGAAGTACAAGGGTACCGTGGCCATCAAGGTGGTGGACCGGCGCG  
AGCGCCCCGGACTTCGTCAACAAGTTCCTGCCGCGAGAGCTGTCCATCCTCGGGGCGTGCACACCCG  
CACATCGTGCACGTCTTCGAGTTCATCGAGGTGTGCAACGGGAACTGTACATCGTGATGGAAGCGGCCG  
CCACCGACTGCTGCAAGCCGTGCAGCGCAACGGGCGCATCCCCGGAGTTCAGGCGCGGACCTCTTTGC  
GCAGATCGCCGGCGCCGTGCGCTACCTGCACGATCATCCTGGTGCACCGGACCTCAAGTGCGAAAAC  
GTGCTGCTGAGCCCGGACGAGCGCCGCTCAAGCTCACCGACTTCGGCTTCGGCCGCCAGGCCCATGGCT  
ACCCAGACTGAGCACCCTACTGCGGCTCAGCCGCTACGCGTCACCCGAGGTGCTCCTGGGCATCCC  
CTACGACCCCAAGAAGTACGATGTGTGGAGCATGGGCGTCTGCTCTACGTATGGTACCCGGGTGCATG  
CCCTTCGACGACTCGGACATCGCCGGCTGCCCGGCCAGAAACGCGGCGTCTATCCGAAGGCC  
TCGAGCTGTCCGAGCGTGAAGGCCCTGATCGCCGAGCTGTGCAGTTCAGCCCGTCCGCCAGGCCCTC  
CGCGGGCCAGGTAGCGCGCAACTGCTGGCTGCGCGCCGGGACTCCGGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC205564 protein sequence  
 Red=Cloning site Green=Tags(s)

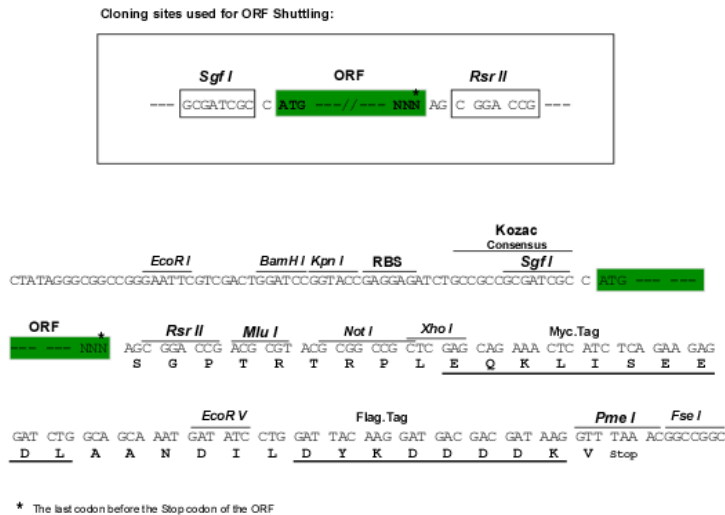
MSGDKLLSELGYKLGRTIGEGSYSKVKVATSKKYKGTVAIKVVDRRRAPPDFVNKFLPRELSILRGVRHP  
 HIVHVFIEVCNGKLYIVMEAAATDLLQAVQRNGRIPGVQARDLFAQIAGAVRYLHDHHLVHRDLKCN  
 VLLSPDERRVKLTDFFGFRQAHGYPDLLSTTYCGSAAAYASPEVLLGIPYDPKKYDVWSMGVLYVMVTGCM  
 PFDDSDIAGLPRRQKRGVLYPEGLELSERCKALIAELLQFSPSARPSAGQVARNCWLRAGDSG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6183\\_a04.zip](https://cdn.origene.com/chromatograms/mk6183_a04.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_032037

**ORF Size:** 819 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.

**RefSeq:** [NM\\_032037.4](#)

**RefSeq Size:** 1459 bp

**RefSeq ORF:** 822 bp

**Locus ID:** 83983

**UniProt ID:** [Q9BXA6](#)

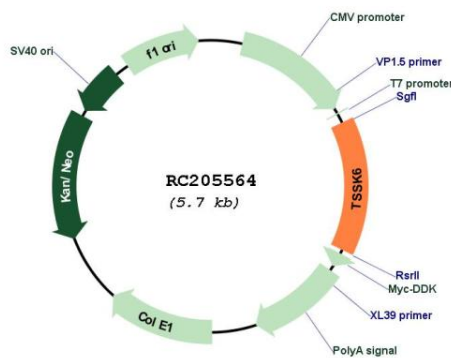
**Cytogenetics:** 19p13.11

**Protein Families:** Druggable Genome, Protein Kinase

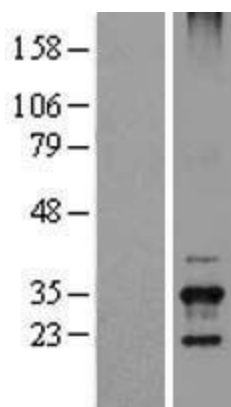
**MW:** 30.3 kDa

**Gene Summary:** This intronless gene encodes a member of the CAMK (calcium/calmodulin-dependent) serine/threonine protein kinase family. The encoded kinase has a broad expression pattern but is described as testis-specific due to effects on fertility. Male mice which lack the gene encoding a highly similar protein are sterile and have morphologically abnormal sperm. [provided by RefSeq, Jan 2012]

## Product images:



Circular map for RC205564



Western blot validation of overexpression lysate (Cat# [LY403141]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205564 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).