

Product datasheet for **RG205395**

TSSK1 (TSSK1B) (NM_032028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSK1 (TSSK1B) (NM_032028) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSSK1
Synonyms:	FKSG81; SPOGA4; STK22D; TSK1; TSSK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205395 representing NM_032028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGACGCTGCTGTCTCAAGCGACGAGGCTACCTCTGGGGATAAATTTAGGAGAGGGCTCTATG
CAAAAGTAAAATCTGCTTACTCTGAGCGCTGAAGTTCAATGTGGCGATCAAGATCATCGACCGCAAGAA
GGCCCCCGCAGACTTCTGGAGAAATTCCTTCCCCGGGAAATTGAGATTCTGGCCATGTTAAACCACTGC
TCCATCATTAAAGACCTACGAGATCTTTGAGACATCACATGGCAAGGCTACATCGTCATGGAGCTCGCGG
TCCAGGGCGACCTCCTCGAGTTAATCAAAACCCGGGGAGCCCTGCATGAGGACGAAGCTCGCAAGAAGTT
CCACCAGCTTTCCTTGGCCATCAAGTACTGCCACGACCTGGACGTCGTCACCGGACCTCAAGTGTGAC
AACCTTCTCCTTGACAAGGACTTCAACATCAAGCTGTCCGACTTCAGCTTCTCCAAGCGTGCCTGCGGG
ATGACAGTGGTCGAATGGCATTAAAGCAAGACCTTCTGTGGGTACCAGCGTATGCGGCCCAAGAGGTGCT
GCAGGGCATTCCCTACCAGCCCAAGGTGTACGACATCTGGAGCCTAGGCGTGATCCTCTACATCATGGTC
TGCGGCTCCATGCCCTACGACGACTCCAACATCAAGAAGATGCTGCGTATCCAGAAGGAGCACCGCGTCA
ACTTCCCACGCTCCAAGCACCTGACAGGCGAGTGAAGGACCTCATCTACCACATGCTGCAGCCCGACGT
CAACCGGGCGGCTCCACATCGACGAGATCCTCAGCCACTGCTGGATGCAGCCCAAGGCACGGGGATCTCCC
TCTGTGGCCATCAACAAGGAGGGGAGAGTTCCCGGGAACTGAACCTTGTGGACCCCGAACCTGGCT
CTGACAAGAAGTCTGCCACCAAGCTGGAGCCTGAGGGAGAGGCACAGCCCCAGGCACAGCCTGAGACAAA
ACCCGAGGGGACAGCAATGCAAATGTCCAGGCAGTCGGAGATCCTGGGTTTCCCCAGCAAGCCGTCGACT
ATGGAGACAGAGGAAGGGCCCCCAACAGCCTCCAGAGACGCGGGCACAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205395 representing NM_032028
 Red=Cloning site Green=Tags(s)

MDDAAVLKRRGYLLGINLGEESYAKVKSAYSERLKFNVAIKIIDRKKAPADFLEKFLPREIEILAMLNHC
 SIIKTYEIFETSHGKVIYIMELAVQGDLELEIKTRGALHEDEARKKFHQLSLAIKYCHDLVDVVRDLKCD
 NLLLDKDFNIKLSDFSFSKRCLRDDSGRMALSKTF CGSPAYAAPEVLQGIPIYQPKVYDIWSLGVILYIMV
 CGSMPYDDSNIKMLRIQKEHRVNFPRSKHLTGECKDLIYHMLQPDVNRRLHIDEILSHCWMQPKARGSP
 SVAINKEGESSRGTPELWTPPEPGSDKKSATKLEPEGEAQQAQPEPKPEGTAMQMSRQSEILGFPSKPST
 METEEGPPQPPETRAQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032028

ORF Size: 1101 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_032028.2](#), [NP_114417.1](#)

RefSeq Size: 2012 bp

RefSeq ORF: 1104 bp

Locus ID: 83942

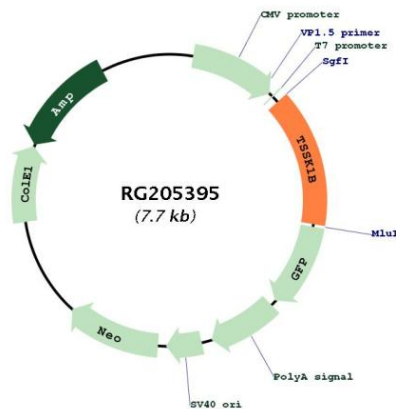
UniProt ID: [Q9BXA7](#)

Cytogenetics: 5q22.2

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: TSSK1 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG205395