

Product datasheet for **RG220627**

TSSK4 (NM_174944) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSSK4 (NM_174944) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TSSK4
Synonyms: C14orf20; STK22E; TSK-4; TSK4; TSSK5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220627 representing NM_174944
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAGGGAGATGTCTTAGAGGCAGCACCAACCACCACAGCCTACCATTCCCTCATGGATGAATATG
GTTATGAGGTGGCAAGGCCATTGGCCATGGCTCCTATGGGTCGGTATATGAGGCTTTCTACACAAAGCA
GAAGGTTATGGTGGCAGTCAAGATCATCTCAAAGAAGAAGGCCTCTGATGACTATCTTAACAAGTTCCTG
CCCCGTGAAATACAGGTAATGAAAGTCTTGCAGCACAAAGTACCTCATCAACTTCTATCGGGCCATTGAGA
GCACATCTCGAGTATACATCATTCTGGAAGTGGCTCAGGGTGGTATGTCCTTGAATGGATCCAGCGCTA
CGGGCCCTGCTCTGAGCCCTTGTCTGGCAAGTGGTCTCCAGCTGACCTGGGCATTGCCTACCTGCAC
AGCAAGAGCATCGTGCACCGGACTTAAAGTTGGAGAACCCTGTTGCTGGACAAGTGGGAGAATGTGAAGA
TATCAGACTTTGGCTTTGCCAAGATGGTGCCTTAAACCAGCCTGTGGGTTGTAGCCCTTTACCGCCA
AGTGAAGTGTCTTTCCACCTCAGCCAGACTTACTGTGGCAGCTTTGCTTACGCTTGCCAGAGATCTTA
CGAGGCTTGCCCTACAACCCTTTCTGTCTGACACCTGGAGCATGGGCGTCATCTTTACTCTAGTGG
TCGCCCATCTGCCCTTTGATGACACCAATCTCAAAAAGCTGTCTAAGAGAGACTCAGAAGGAGGTCACCTT
CCCAGCTAACCATACCATCTCCAGGAGTGCAAGAACCCTGATCCTCCAGATGCTACGCCAAGCCACTAAG
CGTGCCACCATTCTGGACATCATCAAGGATTCCTGGGTGCTCAAGTTCAGCCTGAGCAACCCACCCATG
AGATCAGGCTGCTTGAGCCATGTGCCAGCTCCACAACACCACTAAACAGCACCAATCCTTGCAAATTAC
GACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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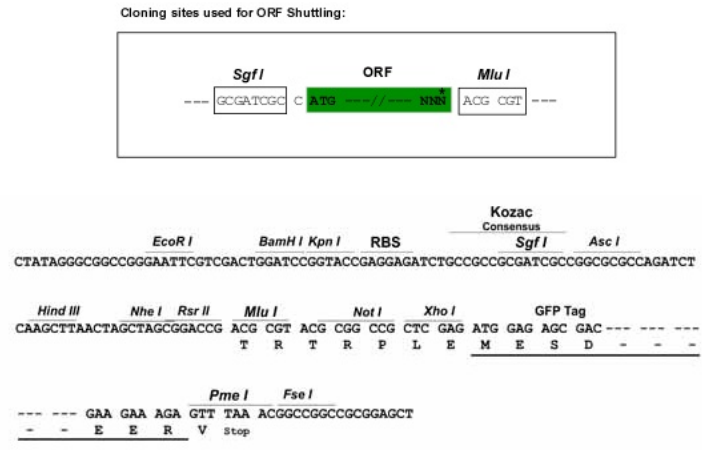
Protein Sequence: >RG220627 representing NM_174944
Red=Cloning site Green=Tags(s)

MGKGDVLEAAPTTHAYHSLMDEYGYEVGKAIGHGSYGSVYEFYTKQKVMVAVKIISKKKASDDYLNKFL
 PREIQVMKVLRHKYLINFYRAIESTSRVYIILELAQGGDVLWVQRYGACSEPLAGKWFSQLTLGIAYLH
 SKSIVHRDLKLENLLLDKWENVKISDFGFAMVPSNQPVGCSYRQVNCFSHLSQTYCGSFAYACPEIL
 RGLPYNPFLSDTWSMGVILYTLVVAHLPFDDTNLKKLLRETQKEVTFPANHTISQECKNLILQMLRQATK
 RATILDIIKDSWVLKFQPEQPHEIRLLEAMCQLHNTTKQHSLQITT

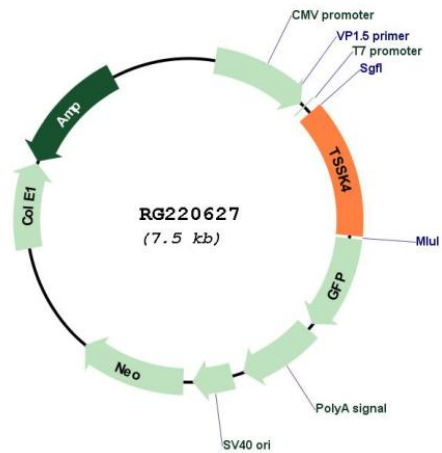
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_174944

ORF Size: 984 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:	<ol style="list-style-type: none">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_174944.4
RefSeq Size:	1264 bp
RefSeq ORF:	987 bp
Locus ID:	283629
UniProt ID:	Q6SA08
Cytogenetics:	14q12
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	This gene encodes a member of the testis-specific serine/threonine kinase family. The encoded protein is thought to be involved in spermatogenesis via stimulation of the CREB/CRE responsive pathway through phosphorylation of the cAMP responsive element binding protein transcription factor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]