

Product datasheet for **SC101301**

TSSK4 (NM_174944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSK4 (NM_174944) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSSK4
Synonyms:	C14orf20; STK22E; TSK-4; TSK4; TSSK5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_174944, the custom clone sequence may differ by one or more nucleotides

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ATGGGGAAGGGAGATGTCTTAGAGGCAGCACCAACCACCACAGCCTACCATTCCCTCATGGATGAATATG
GTTATGAGGTGGGCAAGGCCATTGGCCATGGCTCCTATGGGTCGGTATATGAGGCTTTCTACACAAAGCA
GAAGGTTATGGTGGCAGTCAAGATCATCTCAAAGAAGAAGGCCTCTGATGACTATCTTAACAAGTTCCTG
CCCCGTGAAATACAGGTAATGAAAGTCTGCGGCACAAGTACCTCATCAACTTCTATCGGGCCATTGAGA
GCACATCTCGAGTATACATCATTCTGGAAGTGGCTCAGGGTGGTATGTCCTTGAATGGATCCAGCGCTA
CGGGCCCTGCTCTGAGCCCCTTGCTGGCAAGTGGTTCTCCAGCTGACCCTGGGCATTGCCTACCTGCAC
AGCAAGAGCATCGTGCACCGGACTTAAAGTTGGAGAACCTGTTGCTGGACAAGTGGGAGAATGTGAAGA
TATCAGACTTTGGCTTTGCCAAGATGGTGCCTTCTAACCAGCCTGTGGGTGTAGCCCTTCTACCGCCA
AGTGAAGTGTCTTTCCACCTCAGCCAGACTTACTGTGGCAGCTTTGCTTACGCTTGCCAGAGATCTTA
CGAGGCTTGCCCTACAACCCTTTCTGTCTGACACCTGGAGCATGGGCGTCATCCTTTACTCTAGTGG
TCGCCCCTGTCCTTTGATGACACCAATCTCAAAAAGCTGCTAAGAGAGACTCAGAAGGAGGTCACCTT
CCCAGTAACCATACCATCTCCAGGAGTGCAAGAACCTGATCCTCCAGATGCTACGCCAAGCCACTAAG
CGTGCCACCATTCTGGACATCATCAAGGATTCCTGGGTGCTCAAGTCCAGCCTGAGCAACCCACCCATG
AGATCAGGCTGCTTGAGGCCATGTGCCAGCTCCACAACACCACTAAACAGCACCAATCCTTGCAAATTAC
GACCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_174944 unedited GGGCCTTGTTCAAAATATTTGTNAATACGAATNCACTGATAGGGNNCGGCCGCGNAATTC CCGGGGTAAGTAACAACAGCCAGTGGAGACAAAAGAAGTCTTCTTTTCCCCCT CCAGTTCTAGTGGAGGGCTGAGTCCAGCATCCCAGACTCGTGTGACTATATAGGTAATG AAAGTCTTGCAGCACAAGTACCTCATCACTTCTATCGGGCCATTGAGAGCACATCTCGA GTATACATCATTCTGGAAGTGGCTCAGGGTGGTGTGATGCCTTGAATGGATCCAGCGCTAC GGGGCTGCTCTGAGCCCCTTGGTGGCAAGTGGTCTCCAGCTGACCCCTGGGCATTGCC TACCTGCACAGCAAGAGCATCGTGCACCGGTGAGGGCGCTGCCACCCAGACTGGGGCCTT TGCCCTCAAGGGGTTTTATGCACATCTCCATTTCTGTCTTTTTTCTCTTTTTCGAAC TCCCTCTCAATATCTAGCCTATTCATGCACTCTATTTAATCATATGGTCAAGGATACT GATAAAGTACTCACTGTATGCAAAGCATTTTATGAAATACAATGGTGAAGTCCCGGTGGT CCTCAGATACCATCCTCTGTCTCTCCCTACTTTGGGCTCTGCTCACAACCTCCATGGCT TTCCTTCTCTACCTTGTGCCCTCATAATGGTTTCTACCTCCCACTTCTCTGTCTCT ATCTTTACCTCTGACCCCTGGCCCTTCAGCTCCCACTTAAACTAAGCCCTCTCCCCA GCCTGATGCCAGCCTTCTGCTGCTGGTAGGGACTTAAAGTTGGAGAACCTGTTGCTGG ACAAGTGGGAGAATGTGAAGATATCAGACTTTGGCTTTGCCAAGATGGTGCCTTCTAAC AGCCTG
Restriction Sites:	Please inquire
ACCN:	NM_174944
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_174944.2 , NP_777604.2
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]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The resulting protein (isoform 2) lacks 10 internal amino acids, compared to isoform 1.