

Product datasheet for **SC116192**

TESK1 (NM_006285) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TESK1 (NM_006285) Human Untagged Clone
Tag:	Tag Free
Symbol:	TESK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116192 sequence for NM_006285 edited (data generated by NextGen Sequencing)

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ATGGCCGGGGAACGGCCCCACTGCGGGGCCCTGGGCCCGGGCTGGAGAGGTGCCGGGG
GAGGGGCCCCGGGGCCGGGGGGCACGGGCGGAGGCCCGGGCCGGGGCCGCCCTCTCC
TACCGGCTCTCCGACGCGCGTGTCTAGCCTGGCGCGTGTGGACGATTTCACTGCGCG
GAGAAGATCGGGCCGGCTTCTTCTCTGAGGTCTACAAGTTTCGGCACCGACAGTCAGGG
CAAGTCATGGTGTGAAGATGAACAAGCTCCCCAGTAACCGGGGCAACACACTACGGGAA
GTGCAGCTGATGAACCGCTCAGGCACCCCAACATCCTAAGTTTATGGGAGTCTGTGTG
CACCAGGGACAGCTGCACGCTCTTACAGAGTATATGAATGGGGGACATTGGAACAGCTG
CTCAGCTCCCCTGAACCCCTATCCTGGCCGGTCAGGCTCCACCTGGCCCTGGACATTGCC
CGAGGCCCTGCGGTACCTGCACTCCAAAGGTGATTTACCGCGACCTCACATCCAAGAAC
TGTCTAGTCCGACGGGAAGATCGAGGCTTACCCTGTCGTGGGTGACTTCGGGCTGGCC
GAAAAGATTCTGTGTATAGGGAGGGGGCAAGGAAGGAGCCATTGGCCGTGGTGGCTCC
CCATACTGGATGGCTCCAGAGGTGTTACGGGGTGAGCTGTATGATGAGAAGGCTGATGTC
TTTGCCTTCGGGATTGTCTCTGTGAGCTCATCGCCCGAGTACCTGCAGACCCTGACTAC
CTACCACGCACTGAGACTTTGGCTGGATGTGCCTGCTTCCGAACCTGGTGGGGGAT
GACTGCCCACTGCCTTTCTGTCTCTGGCCATCCACTGCTGCAACCTGGAACCCAGCACC
CGTGCCCCCTTACCAGAAATTACCAGCACCTGGAATGGATCCTGGAGCAGCTGCCTGAG
CCAGCCCCACTCACCAGGACCGCCCTGACACACAATCAGGGCTCTGTTGCAAGAGGGGT
CCCTCTGCCACGCTTCCCAGGCCAGATCCCCGGCTTCCCAGAGCCGGTCAGACCTCTTC
CTGCCCCATCACCAGAATCACCCCCAACTGGGGGACAATCTGACTCGAGTCAACCCC
CCAGTCTGCCTCTTGTGCCACCATCACCATTCCATCCACTCAGCTGCCCTTGGTGACC
ACTCCGGAGACCCTGGTCCAGCCTGGGACACCTGCCCGCCGCTGCCGCTACTACCCTCA
TCCCCCGAGCTCCCCCGCGTATGGAGACAGCACTGCCAGGTCCTGGCCCTCCCGTGTG
GGCCCTCGGCTGAAGAGAAGATGGAGTGCAGGGCAGCAGCCCTGAGCCGGAACCTCCA
GGGCCAGCGCCCCAGCTGCCTCTGGCTGTGGCCACAGACAATTCATCAGCACCTGTTCC
TCGGCCTCCCAACCCTGGTCCCCTAGATCAGGACCCGTCCTCAATAACAATCCCCAGCT
GTGGTGGTGAACCCCCACAAGGCTGGGCTGGGGAGCCCTGGAACCGGGCCAGCATAGC
CTGCCCCGGGCGGACGCCCTGGAGCGGACAGAACCCTCGCCACCCCTTCAGCTCCCCGG
GAGCCCGATGAGGGGCTGCCCTGTCTGGCTGCTGCCTCGGCCCTTCAGCTTTGGCTTC
CTGTCCATGTGCCCGCCACACCAGCTGTTGCCCGCTACCGCAACCTGAACTGTGAG
GCGGGCAGTCTCCTCTGCCACCGAGGGCACACGCCAAGCCACCCACACCAGCCTGCAG
CTGCCTGGGGCACGCTCTTAG
    
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Clone variation with respect to NM_006285.2
 441 g=>a

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006285 unedited GGGGCATCCGAGATTTGTAACCGTATTCCTACTATAGGCGGCCGCGAATCCCGGGGTGCCCCGCGCAAGCCAGCCCGCGCGCCCGGGACGCTGCCGCCACCGTCACCGCCACCGCCCGTCCAGGCCCAAGCCAGGCCCTGCGCGGAGCGGAGCGCGCGCGTCCACCCGGGCCAGCCAGCCGGCGCGGGGGCGGGTCCAGGATCTTCGGCGGATCTTCGGCGGATCTTCCATCTCAGGGCGGGAGCCGGAGTCCGGGCGCCCGGATCGGGCTGGGCCCGGCCCATGGCAAGCGCGCTGCCCGGGCCCTGGGGACCTGCCATGTGAGGCAGGCCCGGGCTGGGGCCCGGCCATGGCCGGGAACGGCCCCCACTGCGGGGCCCTGGGCCCGGGCTGGAGAGGTGCCGGGGAGGGGCCCGNGCCGGGGGGCACGGGCGGAGGCCGGGCCGGGGCCGCCCTCCTCTACCGGGCTCTCCGACGCGCCGTGTCTAGCCTGGCGCGTGTGGACGATTTTCACTGCGCGGAGAAGATCGGGCCGGCTTCTTCTCTGAGGTCTACAAGTTTCGGCACCGACAGTCAGGGCAAGTCATGGTGTGAAGATGAACAAGTCCCCAGATACCGGGGCAACACTACGGGAAGTGCAGCTGATGAACCGGCTCAGGCACCCCAACATCCCTAAGTTCATGGGAGTCTGTGTGCACCAGGAACAGCTGCACGCTCTTACAGATATATGAATGGGGGGACATGGGACAGCTGCTCAGTCCCCTGAACCCCTATCCTGGCCCGGTGAGGCTCACCTGGCCCCCTGGACATGGCCCCGAGCCCTGCGGTACCTGGACTCAAAGGGTATTTACCCC
Restriction Sites:	Please inquire
ACCN:	NM_006285
Insert Size:	2500 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_006285.2 , NP_006276.2
RefSeq Size:	2559 bp
RefSeq ORF:	1881 bp
Locus ID:	7016
UniProt ID:	Q15569
Cytogenetics:	9p13.3
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain and a C-terminal proline-rich domain. Its protein kinase domain is most closely related to those of the LIM motif-containing protein kinases (LIMKs). The encoded protein can phosphorylate myelin basic protein and histone in vitro. The testicular germ cell-specific expression and developmental pattern of expression of the mouse gene suggests that this gene plays an important role at and after the meiotic phase of spermatogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms.

[provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).