

Product datasheet for **SC323413**

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-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006285, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGGGAACGGCCCCACTGCGGGGCCCTGGGCCCGGGCCTGGAGAGGTGCCGGGGAGGGGCCCC
CGGGCCCGGGGGGCACGGGGCGAGGCCCGGGCCGGGGCCGCCCTCCTCCTACCGGGCTCTCCGCAGCGC
CGTGTCTAGCCTGGCGCGTGTGGACGATTTTCACTGCGCGGAGAAGATCGGGGCCGGCTTCTTCTGAG
GTCTACAAGTTTCGGCACCGACAGTCAGGGCAAGTCATGGTGCTGAAGATGAACAAGCTCCCAAGTAACC
GGGGCAACACACTACGGGAAGTGCAGCTGATGAACCGGCTCAGGCACCCCAACATCCTAAGTTTCATGGG
AGTCTGTGTGCACCAGGGACAGCTGCACGCTCTTACAGAGTATATGAATGGGGGGACATTGGAACAGCTG
CTCAGCTCCCCTGAACCCTGTCTGGCCGGTCAAGGCTCCACCTGGCCCTGGACATTGCCCGAGGGCTGC
GGTACCTGCACCTCAAAGGTGTATTTACC CGCGACCTCACATCCAAGAAGTGTCTAGTCCGACGGGAAGA
TCGAGGCTTACCAGTGTCTGGGTGACTTCGGGCTGGCCGAAAAGATTCTGTGTATAGGGAGGGGGCA
AGGAAGGAGCCATTGGCCGTGGTGGGCTCCCCATACTGGATGGCTCCAGAGGTGTACGGGGTGAGCTGT
ATGATGAGAAGGCTGATGTCTTTGCCTTCGGGATTGCTCTGTGAGCTCATCGCCGAGTACCTGCAGA
CCCTGACTACCTACCACGCACTGAGGACTTTGGCCTGGATGTGCCTGCTTCCGAACTCTGGTGGGGGAT
GACTGCCCACTGCCTTTCTGCTCCTGGCCATCCACTGCTGCAACCTGGAACCCAGCACCCGTGCCCCCT
TCACCGAAATTACCCAGCACCTGGAATGGATCCTGGAGCAGCTGCCTGAGCCAGCCCCACTACCCAGGAC
CGCCCTGACACACAATCAGGGCTCTGTTGCAAGAGGGGGTCCCTCTGCCACGCTTCCCAGGCCAGATCCC
CGGCTTCCCAGACCGGTGACAGCTCTTCTGCCCCATCACCAGAATCACCACCAACTGGGGGGACA
ATCTGACTCGAGTCAACCCCTTCTCACTACGGGAAGACCTCAGGGGTGGCAAGATCAAGCTTTAGACAC
ACCCAGCAAGCCAGTCTGCCTTTGTGCCACCATCACCATTCCATCCACTCAGCTGCCCTTGGTGACC
ACTCCGGAGACCCTGGTCCAGCCTGGGACACCTGCCCGCCGCTGCCGCTCACTACCCTCATCCCCGGAC
TCCCCCGCGTATGGAGACAGCACTGCCAGGCTCCTGGCCCTCCCGCTGTTGGGCCCTCGGCTGAAGAGAA
GATGGAGTGCAGGGCAGCAGCCCTGAGCCGGAACCTCCAGGGCCAGCGCCCCAGCTGCCTCTGGCTGTG
GCCACAGACAACCTCATCAGCACCTGTTCTCGGCCTCCCAACCCTGGTCCCCTAGATCAGGACCCGTCC
TCAATAACAATCCCCAGCTGTGGTGGTGAACCTCCCAACAAGGCTGGGCTGGGGAGCCCTGGAACCGGGC
CCAGCATAGCCTGCCCGGGCGGCAGCCCTGGAGCGGACAGAACCCTCGCCACCCCTTCCAGCTCCCCGG
GAGCCCGATGAGGGGCTGCCCTGTCTGGCTGCTGCCTCGGCCCTTCCAGCTTTGGCTTCTGTCCATGT
GCCCCCGCCACACCAGCTGTTGCCCGCTACCGCAACCTGAACGTGTAGGCGGGCAGTCTCCTCTGCCA
CCGAGGGCACCACGCAAGCCACCCACCCAGCTGCAGCTGCCTGGGCACGCTCTTAG
    
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5' Read Nucleotide Sequence: >OriGene 5' read for mutant NM_006285 unedited
 ACCGCCGTTGAGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGA
 ACCGTGCAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGCGGGATGCCCGCGCAAGCCA
 GCCCGCCGGCGCCCGGAGCGCTGCCGCCACCGTACCGCCACCGCCGGTCCAGGCCAAGCCAGGCC
 CTGCGCGGAGCGGAGCGCGCGGCTCCACCCGGGCCAGCCAGCCGGCGCGGGGGGGGGTCCAGGA
 TCTTCGCGGATCTTCGCGATCTTCCATTCTCAGGCGGGAGCCGGAGTCCGGCGCCCGGGATGGGCTGGG
 CCCGGCCATGGCAAGCGCGGCCTGCCCGGGCCCGGGGACCCTGCCCTGGGTGAAGGCAGGGCCCGGCC
 TGGGGGCCCGGGCCCGGGGAAACCCCCACCTGGCGGGGGCCCGGAAACGGGATTTTAAAAA
 GTTAAGGAACACGTCCCCCAGATTTTGTCTTAAGAATTCGAAAAACCGGCAAT

Kinase Domain Sequence: >SC323413 kinase domain raw sequence. By performing [BLASTX](#) analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation
 GMMSRSGWYWCYTGGCMGCATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTT
 TAGTGAACCGTCAAGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGCGGGATGCCCGCGGC
 AAGCCAGCCCGCGCGCCCGGAGCGCTGCCGCCACCGTACCGCCACCGCCGGTCCAGGCCAAGCC
 CAGGCCCTGCGCGGAGCGGAGCGCGCGGCTCCACCCGGGCCA

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).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell. 2008 May p536-548.
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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>