

Product datasheet for **RR200698**

Tesk2 (NM_133396) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tesk2 (NM_133396) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tesk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200698 representing NM_133396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCGGAGCAAACGGAACCTCGATCGCAGGGTTTCCCCCGCGTGTGGAGCGTCTGGAAGAATTTGAAG
 GAGGCGGTGGAGGGGATGGGAACACTGTGCAGGTGGGAAGAGTTTCGTCACTTTCATATCGTGCGATTAT
 CAGTGCCTTTTCCAGACTGACGAGTTTGGATGACTTCACCCGTGAAAAAATAGGATCTGGGTTCTTCTCC
 GAGGTTTTCAAGTTTCGGCACAGAGCTTCAAGGACAGGTGATGGCTCTCAAGATGAACACGCTGAGCAGTA
 ACCGAGCAAACCTGCTGAAGGAGATGCAGCTCATGAACAGACTGTCCCATCCCAACATCCTCAGGTTTAT
 GGGTGTGTGTACATCAAGGACAGTTGCATGCACCTACAGAGTACATCAACTCTGGAACTGGAGCAG
 CTGCTAGACAGTAACCTGTATTTGCCTTGGACTGTGAGAGTAACTGGCCTATGACATAGCAGTGGGGC
 TCAGCTACCTTCACTTCAAAGGCATTTTCCACCGGACCTCACGTGGAAGAACTGCCTTATAAAGAGAGA
 TGAACCGGTTACTCTGCGGTGGTAGCTGATTTGGCCTGGCTGAGAAGATTCTGATGCTAGTATAGGG
 AGTGAGAAGCTAGCTGTGGTGGCTCACCTTCTGGATGGCACCTGAGGTTCTCCGAGATGAACCTTACA
 ATGAGAAGGCAGACGTGTTCTTACGGTATCATCCTCTGCGAGATCATCGCCCGCATCCAGGCTGATCC
 GGACTATCTTCCCGCACAGAGAATTTCCGGCTGGATTATGATGCTTCCAGCACATGGTGGGAGACTGC
 CCCTCAGACTTCTGCAACTCACCTTCAACTGTGTAATATGGACCCAAACTGCGCCCATCCTTTGAGG
 AGATTGGGAAGACCCTAGAGGAAATATGAGCCGCTTACAGGAAGAAGAGTTGGAGAGAGACAGGAAGCT
 GCAGCCCAAGCTAAAGGACTATTGGAGAAAGTCCCGGAGGGAAGCGACTGAGTTCACTGGATGACAAG
 ATTTCCCAAGTCTCCACGTCCAAGACGTAATCTGGTTGTCTCGAAGCCAGTCAGACATTTTCTCTC
 TGAAGCCCCACGTACAGTCAATGTCTTGGACCCCTATTACCAGCCAGCAGATGGTGTACACATACCCC
 AAAAGTCAACCTTTTCAAGTGCACGCCAAGACTCAAGGGTGGGAAGGTCAAATCTTTGACCTACCCAGC
 AAATCTGTTATTTCCCTGTATTTGACCTGGATGCACAGGGCCTGGAAGTGTATCTCTAGCTGACTGTC
 AGGAGCCTTTGGCCCATCTTCCAGACGGTGGCGGTCTTTGCCTGGTTACCCGAGTTCTTGATCAGGC
 TTGTCCATTTGTGGGTGTGAAGAATCACTGTCTGATGGGCTCCACCACGACTCAGTAGTCTCAAGTAC
 AGAGTAAGAGAGATCCCACCATCCGGACATCTGCCCTATCAGCTACTTCAGCCCATGAGGCCATGGATT
 GCTCTAACCCCAAGAAGAAAACGGTTTTGTTCCAGGCTAAGGGGACCAGCCCATGCAGTGGGGCTGC
 CTCTGAGGAGATGGAGTGGAGGAAGAAAGGCCACGAAGAGCTCCTGTCCACTTCTATCTCTGGAATA
 AGCTTCAAACCCAGGGAGAGCAGGACGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200698 representing NM_133396
 Red=Cloning site Green=Tags(s)

MDRSKRNSIAGFPPRVERLEEFEGGGGDGNTVQVGRVSSSYRAIISAFSRLTSLDDFTREKIGSGFFS
 EVFKVRHRASQVMALKMNTLSSNRANLLKEMQLMNRLSHPNILRFMGVCVHQQLHALTEYINSGNLEQ
 LLDSNLYLPWTVRVKLAYDIAVGLSYLHFKGIFHRDLTSKNCLIKRDENGSYAVVADFGLAEKIPDASIG
 SEKLAVVGGSPFWMAPEVLRDEPYNEKADVFSYGIILCEIARIQADPDYLPRTENFLDYDAFQHMVGDC
 PSDFLQLTFNCCNMDPKLRPSFEEIGKLEEIMSRLQEEELERDKLQPTAKGLLEKVPGGKRLSSDDK
 IPHKSPRPRRTIWLRSQSDIFSRKPPRTVNVLDPIYQPRDGATHPKVNPFSARQDLKGGKVKFFDLPS
 KSVISLVFDLDAPGPGTVSLADCQEPLAPSSRRWRSLPGSPEFLHQACPFVGCESLSDGPPPRLSSLKY
 RVREIPPFRTSALSATSAHEAMDCSNPQEENGFVPRPKGTSPCSGAASEEMEVEEERPRRAPVHFSISGI
 SLQTQGEQDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133396

ORF Size: 1710 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_133396.2](#), [NP_596887.1](#)
RefSeq Size: 3045 bp

RefSeq ORF: 1713 bp

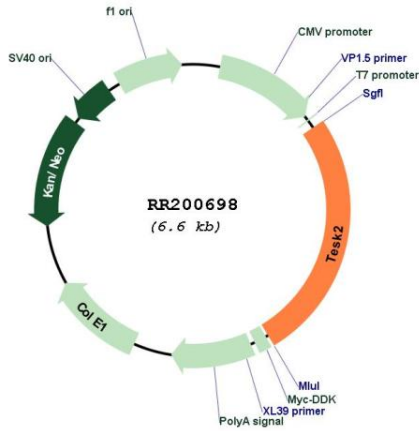
Locus ID: 170908

UniProt ID: [Q924U5](#)
Cytogenetics: 5q35

MW: 63.6 kDa

Gene Summary: serine-threonine protein kinase which is expressed predominantly in the Sertoli cells of the testis; phosphorylates cofilin and promotes actin filament formation; may play an important role in spermatogenesis [RGD, Feb 2006]

Product images:



Circular map for RR200698