

Product datasheet for **RR208360**

Tesk1 (NM_031578) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tesk1 (NM_031578) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tesk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208360 representing NM_031578
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGGGAACGGCCACCGCTGCGGGGCCCGGGCCCGAGAGACTCCGGTGGAGGGGCCGGGGGCG
 CAGGCGGAGGCCCGGGCCGGGGCCGCCCTCCTCTACCGGGCCCTCCGAGCGCGGTGCCAGCCTGGC
 GCGCGTGGACGATTTGACTGCGCAGAGAAGATCGGGGCTGTTTCTTCTCTGAGGTCTATAAGGTTGCG
 CACCGACAGTCGGACAAGTCATGGTGTGAAGATGAACAAGCTCCCGAGTAACCGGAGCAACACTCTAA
 GGGAGGTGCAGCTGATGAACCGGCTCCGGCATCTAACATCCTCAGGTTTCATGGGGTCTGTGTGCCA
 AGGGCAGCTGCACGCGCTTACAGAGTATATGAATGGGGTACCCTGGAACAGCTGCTGAGCTCCCGAG
 CCCCTCTCTGGCCAGTCAGGCTCCACCTAGCACTGGACATTGCACAAGGCTACGGTACCTACACGCCA
 AAGGTGTGTTTACCGAGACCTCACATCCAAGAAGTGTCTGGTCCGACGGGAAGACGGAGGCTTCACAGC
 TGTTGTGGGTGACTTCGGACTGGCTGAAAAGATCCCTGTGTATAGGGAAGGGCAAGGAAGGAGCCATTG
 GCTGTGGTGGGCTCCCCATACTGGATGGCCCAGAGGTGTGCGGGGAGAGCTGTATGATGAGAAGGCCG
 ACGTCTTCGCCTTTGGGATTGTCCTCTGTGAGCTCATCGCCGAGTACCTGCAGACCCTGACTACCTACC
 CCGTACTGAGGACTTTGGTCTGGATGTGCCTGCTTTTTCGAACTCTGGTGGGAAATGACTGTCCGCTACCT
 TTCTGCTTCTGGCCATCCACTGCTGCAGCATGGAACCCAGCGCCCGTGCCTTTTACTGAAATACCC
 AGCACCTGGAACAAATCCTGGAGCAGCTGCCTGAGCCACGCCCTCGCCAAGATGCCCTTGCCAAGGC
 TCCCTTGACATACAATCAGGGGTCTGTTCCAAGAGGAGTCCCTCGCCACGCTTCCAGGTGAGACCC
 CGGCTCTCCCGAAGCCGGTCAGACCTCTCTGCCACCTTACCAGAATACCCCCAGTTGGGGGGACA
 ATCTAACACAGTCAACCCCTTCTCAGTCCGGGAAGACCTCAGGGGTGGCAAGATCAAACCTCTGGACAC
 ACCTGCAAGCCGGCCACTCCACTGCCCTGGTCCACCATACCACTGACCTTACCCAGCTGCCCTTG
 GTGGCCTCTCCAGAGTCCCTGGTCCAGCCTGAGACTCCCGTCCGCGCTGTGTTCACTCCCTTCATCCC
 CTGAGCTCCCCGACGGATGAAACTGCACTGCCAGTCTGGCCGTCCTCCCGTGGGCCCTCGACTGA
 GGAAAGGATGGACTGTGAGGGCAGCAGCCTGAGCCAGAGCCCCAGGGCCGGCTCCCGAGCTGCCTCTG
 GCTGTGGCCACTGACAACTTCATCAGTACGTGTTCTCAGCCTCTCAGCCCTGGTCTGCTAGACCAGGAC
 CTTCCCTCAATAAATACCCCTGCTGTGGTGGTGAATCCCCACAAGGATGGGCGAGGGAGCCCTGGAA
 CCGGGCACAGCATAGCCTTCCCGGGCAGCAGCCTGGAGCGGACAGAACCTCACACCCCATCAGCT
 CCCCAGGAGCAGGAGGGGCTGCCCTGCCCTGGCTGCTGCCTCAGCCCTTACGCTTTGGCTTCTAT
 CCATGTGCCCCCGCCCTACCCAGCTGTGCCCGTACCACAACTTGAAGTGTGAGGCGGGCAGTCTTCT
 CTGCCACCGAGGCATCATGCCAAGCCACCCACCCAGCCTGCAGCTGCCTGGGCGACGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208360 representing NM_031578
 Red=Cloning site Green=Tags(s)

MAGERPPLRGPGETPVEGPGGAGGGPGRPSSYRALRSVSSLARVDDFDCAEKIGAGFFSEVYKVR
 HRQSGQVMVLKMNKLPNSRNTLREVQLMNRLRHPNILRFMGVGVHQQQLHALTEYMNNGTLEQLLSPE
 PLSWPVRLHLALDIAQGLRYLHAKGVFHRDLTSKNCLVRREDGGFTAVVGDVFLAEKIPVYREGARKEPL
 AVVGSPYWMapeVLRGELYDEKADVFAFGIVLCEL IARVPADPDYLPRTEDFGLDVPAFRTL VGNDCLP
 FLLLAIHCCSMEPSARAPFTEITQHLEQILEQLPEPTPLAKMPLAKAPLTYNQGSVPRGGPSATLPRSDP
 RLSRSRSDLFLPPSPESPSSWDNLTRVNPFLREDLRGGKIKLLDTPCKPATPLPLVPPSPLTSTQLPL
 VASPELVQPETPVRRCSRSLPSSPELPRMETALPGPGSPVGPSTEERMDCGSSPEPEPPGPAPQLPL
 AVATDNFISTCSSASQPWSARPGPSLNNPPAVVVNSPQWAREPWNRAQHSLPRAAALERTEPSPPPSA
 PREQEGLPCPGCLSPFSFGFLSMCPRPTPAVARYRNLNCEAGSLLCHRGHAKPPTPSLQLPGARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

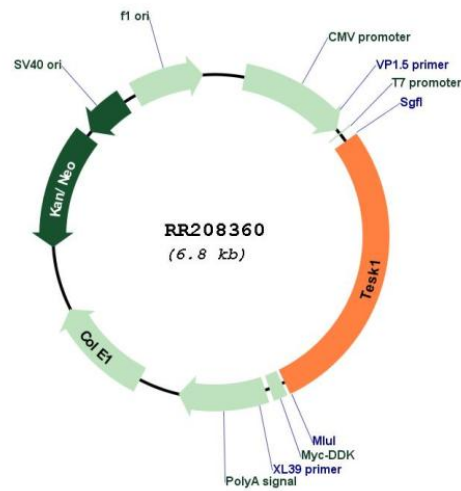
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_031578

ORF Size: 1884 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_031578.1 , NP_113766.1
RefSeq Size:	3581 bp
RefSeq ORF:	1887 bp
Locus ID:	29460
UniProt ID:	Q63572
Cytogenetics:	5q22
MW:	68 kDa
Gene Summary:	serine/threonine protein kinase; phosphorylates myelin basic protein (MBP) and histones in vitro; may play a central role in spermatogenesis [RGD, Feb 2006]