

Product datasheet for **MR209563**

Tesk1 (NM_011571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tesk1 (NM_011571) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tesk1
Synonyms:	A1326901
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209563 representing NM_011571
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGGGGAACGGCCGCCGCTGCGGGGCCCGGGCCCGAGAGGCTCCGGGGAGGGCCGGGGGGCG
 CAGGCGGAGGCCCGGGCCGGGGCCGGCCCTCCTCTACCGGGCCCTCCGAGCGCGGTGCCAGCCTTGC
 CGGTGTGGACGATTTGACTGCGCAGAGAAGATCGGGGCCGTTTCTTCTCTGAGGTCTACAAGTTTCGG
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 GGGAGGTGCAGCTGATGAACCGGCTCCGGCACCCTAACATCCTCAGGTTTCATGGGGTCTGTGTGACCA
 AGGGCAGCTGCACGCGCTTACAGAGTATATGAATGGGGGCACCCTGGAACAGCTGCTCAGCTCCCAAGAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209563 representing NM_011571
 Red=Cloning site Green=Tags(s)

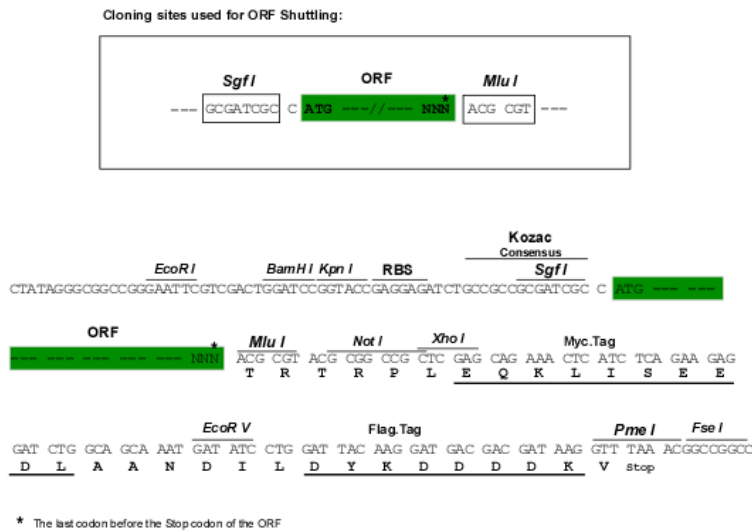
MAGERPPLRPGPGPEAPGEGPGGAGGPGRGRPSSYRALRSVSSLARVDDFDCAEKIGAGFFSEVYKVR
 HRQSGQVMVLKMNKLPNSRNTLREVQLMNRLRHPNILRFMGVCVHQQLHALTEYMNGGTLEQLSSPE
 PLSWPVRLHLALDIAQGLRYLHAKGVFHRDLTSKNCLVRREDRGFTAVVGDFGLAEKIPVYREGTRKEPL
 AVVGSPLYWMAPEVLRGELYDEKADVFAFGIVLCELIARVPADPDYLPRTEDFGLDVPFRTL VGNDCLP
 FLLLAIHCCSMEPSTRAPFTEITQHLEQILEQQPEATPLAKPPLTKAPLTYNQGSVPRGGPSATLPRPDP
 RLSRSRSDLFLPPSPESPPSWGDNLTRVNPFLSLREDLRGGKIKLLDTPCKPATPLPLVPPSPLTSTQLPL
 VTPDILVQPETPVRRCSRSPSPPELPRMETALPGPGSPMGPTTEERMDCEGSSPEPEPGLAPQLPLA
 VATDNFISTCSSASQPWSPRSGPPLNNPPAVVVNSPQGWAREPWNRAQHSLPRAAALERTESPSPSPAP
 REPEEGLPCPGCCLGPFSGFLSMCPRPPTAVARYRNLNCEAGSLLCHRGHAKPPTPSLQLPGARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011571

ORF Size: 1881 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_011571.3, NP_035701.3](#)

RefSeq Size: 3620 bp

RefSeq ORF: 1884 bp

Locus ID: 21754

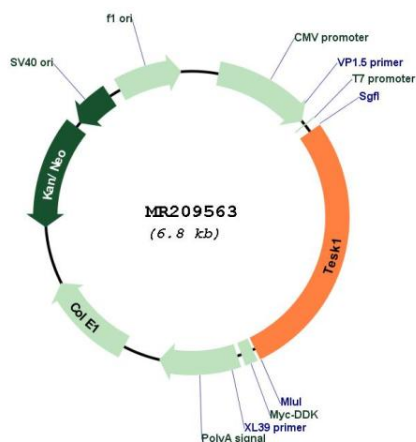
UniProt ID: [O70146](#)

Cytogenetics: 4 A5

MW: 68.5 kDa

Gene Summary: Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. Probably plays a central role at and after the meiotic phase of spermatogenesis (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209563