

Product datasheet for **MG209563**

Tesk1 (NM_011571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tesk1 (NM_011571) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tesk1
Synonyms:	AI326901
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209563 representing NM_011571
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGGGAACGGCCCGCTGCGGGGCCCGGGCCCGAGAGGCTCCGGGGAGGGCCGGGGGCG
 CAGGCGGAGGCCCGGGCCGGGGCCGCCCTCCTCTACCGGGCCCTCCGACGCGCGTGTCCAGCCTTGC
 CGGTGTGGACGATTTGACTGCGCAGAGAAGATCGGGGCCGTTTCTTCTCTGAGGTCTACAAGTTTCGG
 CACCGACAGTCGGACAAGTCAATGGTGTGAAGATGAACAAGCTCCCCAGTAACCGGAGCAACACGCTAA
 GGGAGGTGCAGCTGATGAACCGCTCCGGCACCCTAACATCCTCAGGTTTCATGGGGTCTGTGTACCA
 AGGGCAGCTGCACGCGTTACAGAGTATATGAATGGGGCCACCCTGGAACAGCTGCTCAGCTCCCCAGAA
 CCCCTCTCTGGCCAGTCAGGCTCCACCTAGCCCTGGACATTGCACAAGGCTACGGTACCTACACGCCA
 AAGGTGTGTTTACCGAGACCTCACATCCAAGAACTGTCTGGTCCGAAGGGAAGACCGAGGCTTCACAGC
 TGTTGTGGGTGACTTCGGACTGGCTGAGAAGATTCCTGTGTATAGGAAGGGACAAGGAAGGAGCCCTTG
 GCTGTGGTGGGCTCCCCGTAAGTGGATGGCTCCAGAGGTGTTCGGGGAGAGCTGTATGATGAGAAGGCCG
 ATGTCTTCGCCTTCGGGATCGTCTCTGTGAGCTCATCGCCCGAGTGCCTGCAGACCCTGACTACCTACC
 CCGCACTGAGGACTTTGGCCTGGATGTGCCTGCTTCCGAACTTTGGTGGGAAATGACTGTCCGCTACCT
 TTCTGCTTTCGGCCATCCACTGCTGCAGCATGGAACCCAGCACCCTGGGCCCTTTTACTGAAATCACCC
 AGCACCTGGAACAGATCCTGGAGCAGCAGCTGAGGCCACGCCCTCGCCAAGCCACCCCTACCAAGGC
 TCCCTTGACATAACAATCAGGGGTCTGTTCCAAGAGGAGTCCCTCGCCACACTTCCCAGGCCAGACCC
 CGGCTCTCCCGAAGCCGGTCAGACCTCTCTGCCACCTTCGCCAGAATCACCCCGAGCTGGGGGACA
 ATCTAACACGAGTCAACCCCTTCTCACTGCGGGAAAGACCTCAGGGGTGGCAAGATCAAGCTGTGGACAC
 ACCCTGCAAGCCGGCCACTCCACTGCCCTGGTTCACCATCACCACTTACCTCTACCCAGCTGCCCTTA
 GTGACCACTCCAGACATCCTGGTCCAGCCTGAGACCCCTGTCCGCCGCTGTGCTCACTACCTTCATCCC
 CTGAGCTTCCCCGACGGATGGAGACTGCACTGCCAGTCTGGCCCTTCCCCATGGGCCGACTGAGGA
 GAGGATGGACTGCGAGGGCAGCAGCCCTGAGCCAGAGCCCCAGGCTGGCTCCCAGCTGCCTCTGGCT
 GTGGCCACTGACAACTTCATCAGTACTTGTTCCTCAGCCTCGCAGCCCTGGTCTCCTAGATCAGGACCTC
 CCCTCAACAATAATCCCCCTGCTGTGGTGGTGAATTCCCCACAAGGGTGGGCTAGGGAGCCCTGGAACCG
 GGCACAGCATAGCCTTCCCCGGCAGCAGCCCTGGAGCGGACAGAGCCCTCACCGCCCCATCAGCTCCC
 CGGGAGCCGGAGAGGGGCTGCCCTGCCCTGGCTGCTGCCTTGGCCGTTTCACTTTGGCTTCTATCCA
 TGTGCCCCCGCCCTACCCAGCTGTGCCCGCTACCGCAACTTGAAGTGTGAGGCGGGCAGTCTTCTCTG
 CCACCGAGGGCATCATGCCAAGCCACCCACCCAGCCTGCAGCTGCCTGGGGCACGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209563 representing NM_011571
 Red=Cloning site Green=Tags(s)

MAGERPPLRPGPGPEAPGEGPGGAGGGPGRGRPSSYRALRSVSSLARVDDFDCAEKIGAGFFSEVYKVR
 HRQSGQVMVLKMNKLPNSRNTLREVQLMNRLRHPNILRFMGVCVHQQLHALTEYMNGGTLEQLSSPE
 PLSWPVRLHLALDIAQGLRYLHAKGVFHRDLTSKNCLVRREDRGFTAVVGDFGLAEKIPVYREGTRKEPL
 AVVGSPLYWMAPEVLRGELYDEKADVFAFGIVLCELLARVPADPDYLPRTEDFGLDVPFRTL VGNDCLPL
 FLLLAIHCCSMEPSTRAPFTEITQHLEQILEQQPEATPLAKPPLTKAPLTYNQGSVPRGGPSATLPRPDP
 RLSRSRSDLFLPPSPESPPSWGDNLTRVNPFLSLREDLRGGKIKLLDTPCKPATPLPLVPPSPLTSTQLPL
 VTTDPDILVQPETPVRRCSLPSPELPRMETALPGPGSPMGPTTEERMDCEGSSPEPEPGLAPQLPLA
 VATDNFISTCSSASQPWSPRSGPPLNNPPAVVVNSPQGWAREPWNRAQHSLPRAAALERTESPSPSPAP
 REPEEGLPCPGCCLGPF SFGFLSMCPRPPTPAVARYRNLNCEAGSLLCHRGHAKPPTPSLQLPGARS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_011571.3 , NP_035701.3
RefSeq Size:	3620 bp
RefSeq ORF:	1884 bp
Locus ID:	21754
UniProt ID:	O70146
Cytogenetics:	4 A5
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]