

## Product datasheet for **MR208985**

### Tesk2 (NM\_146151) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tesk2 (NM_146151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tesk2
Synonyms:	MGC29168
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>NM\_146151 ORF sequence, MR208985 may differ due to SNPs.

Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCGGAGCAAGCGGAACCAATTGCAGGGTTTCCCCACGTGTGGAGCGTCTGGAAGAATTTGAA
GGAGGTGGTGGAGGGGATGGGAACACTGTGCAGGTGGGAAGAGTTTCATCATCTTCATATCGTGCATT
ATTAGTGCCTTTTCCAGACTGACGAGTTTGGATGACTTACCCCGTAAAAAATAGGATCTGGGTTCTTC
TCCGAAGTGTTCAAGGTGCGACACAGAGCTTCTGGTCAGGTGATGGCTCTCAAGTGAACACGCTGAGC
AGTAACCGAGCAAACCTGCTGAAAGAGATGCAGCTCATGAATAGACTCTCCACCCCAACATCCTCAGG
TTCATGGGTGTATGTGTACATCAAGGACAGTTGCATGCACTTACAGAGTATATCAACTCTGGAACTG
GAGCAGCTGCTGGACAGTGACTTGTATTTACCGTGGACTGTGAGAGTGAAACTGGCCTATGACATAGCA
GTGGGCCTCAGCTACCTCACTCAAAGGCATTTCCATCGGGACCTCACATCAAAGAACTGCCTGATA
AAGAGAGATGAAAACGGTACTCTGCTGTGGTAGCTGACTTCGGCCTGGTGAGAAGATCCCTGACGCT
AGTATAGGGAGGAGAAGCTAGCTGTGGTGGGCTCGCCTTCTGGATGGCACCTGAGGTTCTCCGAGAT
GAGCCTTATAATGAGAAGGCAGATGTCTTCTTATGGTATCATCCTCTGCGAGATCATGCCCGCATT
CAGGCTGATCCGGACTATCTTCCCCGCACAGAGAATTTGGGCTGGATTACGATGCTTCCAGAACATG
GTGGGAGACTGCCCTCAGACTTCTGCAGCTCACCTTAACTGTGTAATATGGACCCAAACTGCGC
CCATCCTTTGAGGAGATTGGGAAGACCCTAAAGGAAATATGAGCCGCTTACCGGAAGAAGAGTTGGAG
AGAGATAGGAAGTACAGCCACAGCTAAAGGACCCTGGAGAAAGTGCCTGGAGGGAAGCGACTGAGT
TCACTGGATGACAAGATCCCCACAAGTCTCCAGTCCAAGACGTAATCTGGCTGTCTCGAAGCCAG
TCAGATATTTTTCTCATAAGCCCCACGTACAGTCAGTGTCTTGGACCCCTATTACCAGCCACGAGAT
GGTGCTACACATACCCAAAAGTCAACCTTTTCAGTGCACGCCAAGACCTCAAGGGCGGGGAAAGTCAA
TTCTTTGACCTACCCAGCAAATCTGTCAATTTCCCTTGTATTTGACCTGGATGCACCGGGGCTGGAAGT
ACAACCTCTGGCTGACTGTGAGGACCTTTGGCCATGTCTTCCAGACGGTGGCGGTCTTGGCTGGTTCA
CCTGAGTCTTGCATCAGGCTTGTCCATTTATGGGCTGTGAAGAATCACTCTCTGATGGGCTCCACCA
CGACTCAGTAGTCTCAAGTACGGAGTAAGAGAGATCCCACCATTCCGGACATCTGCCCTATCAGCTGCT
TCAGGCCACGAGGCCATGGACTGCTTAACCCCAAGAAGAGAACGGTTTTGGACCCAGGCTTAAGGGG
ACCAGCCTATGCACTGGGCTGCCTCTGAGGAGATGGAGGTGGAAGAGGAAAGGCCACGAAGAGCTTCT
GTCTACTTCTCTATCTCTGGAATAAGCTTGCAAACCCAGGCAAAGCAGGATGGG
ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Protein Sequence:**

>Peptide sequence encoded by MR208985

Blue=ORF Red=Cloning site Green=Tag(s)

```
MDRSKRNSIAGFPPRVERLEEFEGGGGDGNTVQVGRVSSSSYRAII SAFSRLTSLDDFTREKIGSGFF
SEVFKVRHRASGQVMALKMNTLSSNRANLLKEMQLMNRLSHPNILRFMGVCVHQQLHALTEYINSNL
EQLLDSDLYLPWTVRVKLAYDIAVGLSYLHFKGIFHRDLTSKNCLIKRDENGYSVVADFLAEKIPDA
SIGREKLAVVGSFWMapeVLRDEPYNEKADVFSYGIILCEIIARIQADPDYLPRTENFLDYDAFQNM
VGDCPSDFLQLTFNCCNMDPKLRPSFEEIGKTLKEIMSRLPEEELERDRKLOPTAKGPLEKVPGGKRLS
SLDDKIPHKSPRPRRTIWLRSQSDIFSHKPPRTVSVLDPYYQPRDGATHPKVNPFSARQDLKGGKVK
FFDLPSKSVISLVFDLDAPGPGSTTLADCQEPLAMSSRRWRSLPGSPEFLHQACPFMGCEESLSDGPPP
RLSSLKYGVREIPPFRTSALSAASGHEAMDCSNPQEENFGPRLKGTSLCTGAASEEMEVEEERPRRAS
VYFISIGISLQTAQKQDG
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Recombinant protein using MR208985 also available, [TP508985](#)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_146151

**ORF Size:** 840 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\\_146151.4](#)

**RefSeq Size:** 3032 bp

**RefSeq ORF:** 1713 bp

**Locus ID:** 230661

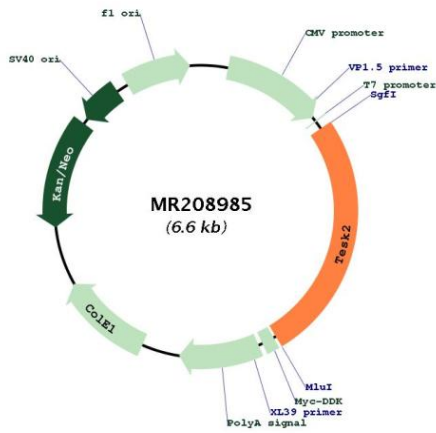
**UniProt ID:** [Q8VCT9](#)

**Cytogenetics:** 4 D1

MW: 63.5 kDa

Gene Summary: Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. Phosphorylates cofilin at 'Ser-3'. May play an important role in spermatogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208985