

Product datasheet for **MR221043**

Tsks (NM_011651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsks (NM_011651) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsks
Synonyms:	Stk22; Stk22s1; Ts; Tss; Tssks1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR221043 representing NM_011651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAAGCGTGGTGGTGAAGACAATCTGGCAATCCAAAGAGATCCACGAAGCGGGGACCCACCTGCGG
 GGGTAGAAAGCCGTGCCAGCTGGTCCCGAGGCTCCCGGGGGGTGACCAGCCCTGCCAAAGGGATAAC
 GAAAAAAGAAGGCTGTGTCCTTCCATGGGGTGGAGCCCGGATGTCCACGAGCCGATGCACTGGTGC
 CTGAACCTCAAGCGGTCTCTGCCTGCACCAACGTGTCTTGTCAACCTGGCTGCCGTGGAGCCCGACT
 CCTCGGGCACAGACTCGACCACAGAGGACAGTGGTCCACTGGCACTGCCAGGGCCACCTGCTTCCCTAC
 AACACCCTGGGCTCCAGAGGACCCTGACATCACAGAATACTGAGTGGGGTCAACAGTGGATTGGTACGT
 GCCAAAGACTCCATCACCAGCTTGAAGGAAAAGACCACGCGGGTAAATCAGCACGTTGAGACTCTGCAGA
 GCGAGTGTCTGTGCTGAGTGAATCTGGAAAGAAGACGGCAGGAGGCAGAAGATTGGAGGGTACTG
 CAGTCAGTTGAAGGGCCCCGCCCTGATGTCTGACCCAGGAGAACTGCCGAAGGTGACCCGTTGAGT
 GAAGACGCTGAAATCAAACCAATGTCTGAAGCAGAATACTGCCTTGTGGAGGAGAAGCTAAGATACC
 TCCAGCAGCAACTGCAGGATGAGACGCCCGGAGACAGGAGGCCGAGTTGCAGGAGTTGGAGCAAAAAT
 GGAGGCTGGCCTCTCCCGACATGGTCTGAGCCCTGCCACTCCCATTACAGGGCTGCTCGGGTCTCTGCG
 AGCCCCGAGGAACCCCGCGGCAGCAGGCTGTCTCCAGTGGCTGGGCATGGCAGTCCGCACAGGGG
 AGGGACCTCGCTGAGCGAGCAGGAGTTGCAGAAGGTCTCACCGGCCTGGAGGAGCTGAGGAGGGAGGT
 GTCCTCGCTGGCAGCCCGGTGGCATCAGGAGGAGGGGCAGTGCAGGAGGCCCTGAGGTTGCTGGGAGGC
 CTTGGCGCCGTCTGGATGGCTTCTGGCCAGTGGGAGCGGGCAGCGGGAACAGGCACAGTCCGCAA
 GGGGCTTGACAGGAGTGCAGGACGAGCAGATGAGTTGTCACATGTTGGTGGAGAGTGCAGTGTCTGT
 CGCCTCACTGAGGAGTGAAGTGGAGGCACTGGGCCAGTAAAACCCATTCTGGAGGAGTGGGACGGCAA
 CTTCAGAACTCCCGAGGGGAGCTGACCATGTCTTGAAGTGGATCGGTCTGCCAAGGCCCTGTGCGC
 GCTGTGCCAGCCAGGGGCAGCAGTTATCCACGAGTCCCTGCAGCAGTCTGGAACGTGCGCTGACCCC
 GCTGGTGGATGAGGTGAAGCAGAAGGTCTGGCTCCTGCCTGCCAGTTGCCAGAGGCTACACAAGAAG
 ATTCTGGAGCTGGAGCGCCAGGCCTTGGCCAAACAGTGCAGGGCAGAGGCCCTGAGCTCCACCCTCGGT
 TGGCCCAAGACGAGGCCGTTTCGGGCCAAGAACCTACTGCTGACGGACAAGATGAAGCCGGAGGAGAAGT
 GGCCACTTTGACTATATGCATTTGAAGATGTCTCCCTCCACGACCAACTCAGCCACTGCCACTTGAG
 GGGTCCACGGGGCAATGGGGGAGGAAGCAATGGAGGGCTCCCCTAAACGTGGGAGTCCAGGCTCTG
 AACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221043 representing NM_011651
 Red=Cloning site Green=Tags(s)

MASVVVKTIWQSKEIHEAGDPPAGVESRAQLVPEAPGGVTSAPAKGITKKKKAVSFHGVPEPRMSHEPMHWC
 LNLKRSSACTNVSLNLAAVEPDSSTEDSGLPLALPGPPASPTTPWAPEDPDITELLSGVNSGLVR
 AKDSITSLKEKTRVNQHVQTLQSECSVLSENLEERRRQEAEELEGYCSQLKGRPDVLTQENCRKVTRSV
 ED AEIKTNVLKQNSALLEEKLRYLQQQLQDETPRRQEAELQELEQKLEAGLSRHGLSPATPIQGCSGPPG
 SPEEPPRQRGLSSSGWMAVRTGEGPSLSEQLQKVSTGLEELRREVSSLAARWHQEEGAVQEALRLLGG
 LGGRLDGFLQWERAQREQAQSARGLQELRGRADELCTMVERSAVSVASLRSELEALGPVKPILEELGRQ
 LQNSRRGADHVLNLDRAQGPCARCASQGGQLSTESLQQLLERAL TPLVDEVKQKGLAPACPSQRLHKK
 ILELERQALAKHVRAEALSSTLRLAQDEAVRAKNLLLTDKMKPEEKVATLDYMHLMKCSLHDQLSHLPLE
 GSTGAMGGGSSNGGAPPKRGSPGSEQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

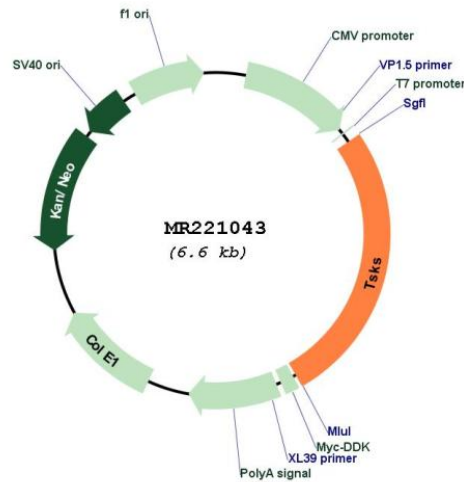
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011651

ORF Size: 1755 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_011651.2 , NP_035781.2
RefSeq Size:	1828 bp
RefSeq ORF:	1758 bp
Locus ID:	22116
UniProt ID:	O54887
Cytogenetics:	7 B3
MW:	64 kDa
Gene Summary:	This gene is a member of a small family of testis-specific serine/threonine kinases. This gene may play a role in testicular physiology or spermiogenesis. Its expression is restricted to the testis during the last stages of spermatid maturation. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]