

Product datasheet for **MG221043**

Tsks (NM_011651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsks (NM_011651) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tsks
Synonyms:	Stk22; Stk22s1; Ts; Tss; Tssks1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221043 representing NM_011651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAAGCGTGGTGGTGAAGACAATCTGGCAATCCAAAGAGATCCACGAAGCGGGGACCCACCTGCGG
 GGGTAGAAAGCCGTGCCAGCTGGTCCCGAGGCTCCCGGGGGGTGACCAGCCCTGCCAAAGGATAAC
 GAAAAAAAAAGAAGGCTGTGTCCTTCCATGGGGTGGAGCCCGGATGTCCACGAGCCGATGCACTGGTGC
 CTGAACCTCAAGCGGTCTCTGCCTGCACCAACGTGTCTTGTCAACCTGGCTGCCGTGGAGCCCGACT
 CCTCGGGCACAGACTCGACCACAGAGGACAGTGGTCCACTGGCACTGCCAGGGCCACCTGCTTCCCTAC
 AACACCCTGGGCTCCAGAGGACCCTGACATCACAGAACTACTGAGTGGGGTCAACAGTGGATTGGTACGT
 GCCAAAGACTCCATCACCAGCTGAAGGAAAAGACCACGCGGGTAAATCAGCACGTTGACTCTGCAGA
 GCGAGTGTCTGTGCTGAGTGAATCTGGAAAGAAGACGGCAGGAGGCAGAAGATTGGAGGGTACTG
 CAGTCAGTTGAAGGGCCCCGCCCTGATGTCTGACCCAGGAGAACTGCCGAAGGTGACCCGTTGAGT
 GAAGACGCTGAAATCAAACCAATGTCTGAAGCAGAACTCTGCCTTGTGGAGGAGAAGCTAAGATACC
 TCCAGCAGCAACTGCAGGATGAGACGCCCGGAGACAGGAGGCCGAGTTGCAGGAGTTGGAGCAAAA
 ACTGGAGGCTGGCCTCTCCGACATGGTCTGAGCCCTGCCACTCCCATTGAGGGCTGCTCGGGTCTCTG
 AGCCCCGAGGAACCCCGCGGCAGCAGGCTGTCTCCAGTGGCTGGGCATGGCAGTCCGCACAGGGG
 AGGGACCTCGCTGAGCGAGCAGGAGTTGAGAAAGTCTCACCGGCCTGGAGGAGCTGAGGAGGGAGGT
 GTCTCGCTGGCAGCCCGGTGGCATCAGGAGGAGGGGCAGTGCAGGAGGCCCTGAGGTTGCTGGAGGC
 CTTGGCGCCGTCTGGATGGCTTCTGGCCAGTGGGAGCGGGCAGCGGGAACAGGCACAGTCCGCAA
 GGGGCTTGAGGAGCTGCCAGGACGAGCAGATGAGTTGCACTATGGTGGAGAGTCCAGTGTCTGT
 CGCCTCACTGAGGAGTGAAGTGGAGGCACTGGGCCAGTAAAACCCATTCTGGAGGAGCTGGGACGCAA
 CTTCAGAACTCCCGAGGGGAGCTGACCATGTCTTGAAGTGGATCGGTCTGCCAAGGCCCTGTGCGC
 GCTGTGCCAGCCAGGGGCAGCAGTTATCCACGAGTCCCTGCAGCAGTCTGGAACGTGCGCTGACCCC
 GCTGGTGGATGAGGTGAAGCAGAAGGTCTGGCTCCTGCCTGCCAGTTGCCAGAGGCTACACAAGAAG
 ATTCTGGAGCTGGAGCGCCAGGCCTTGGCCAAACAGTGCAGGCGAGGGCCCTGAGCTCCACCCTCGGT
 TGGCCAAAGACGAGGCCGTTTCGGCCAAAGAACCTACTGCTGACGACAAGATGAAGCCGAGGAGAAGGT
 GGCCACTTTGACTATATGCATTTGAAGATGTCTCCCTCCACGACCAACTCAGCCACTGCCACTTGA
 GGTCCACGGGGCAATGGGGGAGGAAGCAATGGAGGGCTCCCCTAAACGTGGGAGTCCAGGCTCTG
 AACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221043 representing NM_011651
 Red=Cloning site Green=Tags(s)

MASVVVKTIWQSKEIHEAGDPPAGVESRAQLVPEAPGGVTSAPKGITKKKKAVSFHGVPEPRMSHEPMHWC
 LNLKRSSACTNVSLNLAAVEPDSSGTDSTEDSGPLALPGPPASPTTPWAPEDPDITELLSGVNSGLVR
 AKDSITSLKEKTRVNQHVQTLQSECSVLSENLEERRRQEAEELEGYCSQLKGRPDVLTQENCRKVTRSV
 ED AEIKTNVLKQNSALLEEKRLYLQQQLQDETPRRQEAELQELEQKLEAGLSRHGLSPATPIQGCSGPPG
 SPEEPPRQRGLSSSGWGMVVRTGEGPSLSEQLQKVSTGLEELRREVSSLAARWHQEAGVQEALRLLGG
 LGGRLDGFLQWERAQREQAQSARGLQELRGRADELCTMVERSAVSVASLRSELEALGPVKPILEELGRQ
 LQNSRRGADHVLNLDRAAQGPCARCASQGQQLSTESLQQLLERAL TPLVDEVKQKGLAPACPSQRHLHK
 ILELERQALAKHVRAEALSSTLRLAQDEAVRAKNLLLDKMKPEEKVATLDYMHLMKCSLHDQLSHLPLE
 GSTGAMGGGSSNGGAPPKRGSPGSEQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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:

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

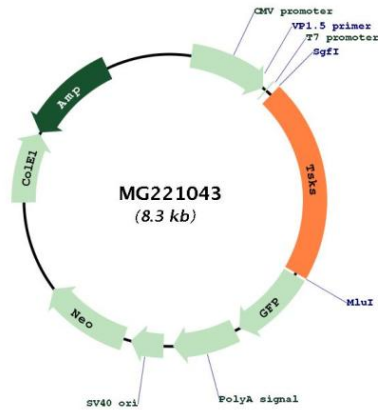
UniProt ID: [O54887](#)

Cytogenetics: 7 B3

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]

Product images:



Circular map for MG221043