

Product datasheet for **MC219548**

Tktl1 (NM_031379) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tktl1 (NM_031379) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tktl1
Synonyms:	C79967
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219548 representing NM_031379
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGAAGCTGAGGCAAGCAGTGGGATGGCCACAACGCTGGACCTGATGAGAAGACATTGCAGGTGT
 TGCGGGACATGGCCAACCGCCTGCGAATCCGTTCCATCAAGGCCACAAATTCCTCGACCTAGCTATCT
 CATACCATGCAGCAATGCTGAGATCATGCTGTGCTGTTCTTTTATACAATGAGATATAAAACAAGAAGAC
 CCTGAAAACCCAGACAATGACCGGTGCATCCTTTCAAAGGGACTACCATTGTTAATGTGGCAACAGGAT
 GGCCTGGACAAGGACTAGGGGCTGCCTGTGGGATGGCATATACTGGCAAGTACTTTGACCAAGCCAGCTA
 CCGGGTGTCTGTCTTCTGGGGATGAGGAATCCACAGAAGGCTCTGTTGGGAGGCATTTGCCTTTGCA
 TCCTACTACAATTTGGACAATCTTATGGCAATCTTTGATGTGAACCGCATTGGACACAGTAGCTCCATGT
 CTGTTGAGCACTGCATTGCCATCTACCAGAAGCGTTGTGAAGCCTTTGGTGGAATACTTACGTGGTGG
 TGCCCGTGTGCAAGACCCTGTCCATGTATTCTCACAGGCAGCTCAAGTGAGAGGCAAGCCACTGCT
 GTGGTTGCCAAAACCTTCAAGGCCCGAGGCATGCCAAATGTTGAGGATGCGGAAAGTTGGTATGGAAGGC
 CAATGCCAAAAGAAAGAGCAGATGCAATTGTCAAGTAAATTGAGAGCCAGATACAGACCAACAAAATTTCT
 TGTACCATCACCCCTATTGAGGACTCGCCTCAAATTAACATCATGAATATATGTATGACTTCGCCCCCT
 GTTTACGTAGCTGATGACAAGGTGTCTACTCAAAGAGCATGTGGTTTGGCTCTAGCTAACTGGGCCATG
 AAAATGACAGAGTTATTGTGCTGGGTAGTGACACCAAGAAGTGAATTTTTCTGACATATTCAAGAAAGA
 ACACCCAGAGAGATTCATCCAGTGTGATTGCTGAACAAAACATGGTAAATGTGGCTCTAGGATGCTCC
 ACCCGTGACCGGACCATTGTTTTGCTTACTCCTTCGCTGCCTTTTTACCCGAGCATTGATCAGATCC
 GATTGGGAGCCATCTCTCAAATCAACATCAACCTTATTGGTTGTCAGTGCAGGATCTACTGGTGTGATGA
 CAACCTTACCATATGGCCCTGGAAGACCTGGCCATGTTCCGAGCAATCCCAATTGTGTTGTTTTCTAT
 CCAAGTGTGCCGTCTCCACAGAACATGCTGTTTACTTAGCAGCCAATACTAAGGAAATGTCTTTATTC
 GTACCAGCAAGCAGAACTGCAATTTTACACCACTCAAGAAACCTTTAGATTGGACAGGCCAAGGT
 TGTCCGCCATAGTGACAATGACAAGGTCATAGTTATTGGAGCAGGAGTACCCTGCATGAAGCCCTAGTA
 GCTGCTGCTGAGCTCTCTAAAGAAGATATCTATCCGTGTCATTGACTTGTTTACCATTAAACCTCTGG
 ACATTGCCACCATCATTTCCAATGCAAAAGCCACAGGTGGCCGAATTATCACCGTGGAGGATCACTATCC
 TGAAGGTGGCATTGGAGGAGCTGTCTGTGCAGCAGTCTCCATGGAGCCTAACATTGTGGTTCATAACCTG
 GCAGTAATGGATGTCCCTCGTAGTGAAGATGCAATGAAGCACTAGATTTTTCTGGAATCAGTTCAGAC
 ACATCATTGTGGCTGTGAAATGCATCTTAATGACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031379
- Insert Size:** 1788 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_031379.2](#), [NP_113556.2](#)

RefSeq Size: 2485 bp

RefSeq ORF: 1788 bp

Locus ID: 83553

UniProt ID: [Q99MX0](#)

Cytogenetics: X A7.3

Gene Summary: Catalyzes the transfer of a two-carbon ketol group from a ketose donor to an aldose acceptor, via a covalent intermediate with the cofactor thiamine pyrophosphate.
[UniProtKB/Swiss-Prot Function]