

Product datasheet for **MR228442**

Tk1 (NM_001271729) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tk1 (NM_001271729) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tk1
Synonyms: D530002A18Rik; Tk-1; Tk1a; Tk1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228442 representing NM_001271729
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAAGAGTCCGGCGCTTCCAGATCGCCAGTACAAGTGCCTGGTCATCAAGTATGCCAAGACACGC
GCTATAGCAACAGCTTCTCCACACATGATCGGAACACCATGGACGATTGCCAGCCTGCATGCTCCGCGA
TGTGACCCAGGAGTCCTTGGGTGTGCCGTCATTGGCATCGATGAGGGGAGTTTTTTTCTGACATTGTG
GATTTCTGTGAAATGATGGCCAACGAGGGCAAGACAGTAATTGTGGCAGCGCTGGATGGGACCTTCCAGA
GGAAGGCTTTCGGCAGCATCTTGAACCTGGTGCCTGGCGGAGAGTGTGGTGAAGCTCACCGCTGTGTG
CATGGAGTGCTTCCGAGAAGCTGCCTACACGAAGAGGCTGGGCTGGAGAAAGAGGTGGAGGTGATTGGC
GGAGCCGACAAGTATCACTCCGTGTGCCGCTGTGCTACTTTAAGAAGTCTTCAGCCCAGACTGCTGGCT
CAGACAACAAGAACTGTCTGGTGTGGGCGAGCCGGGAGAGGCCCTGGTTGTGAGGAACTCTTTGCCTC
TCAGCAAGTCCTACAATACTGCTGCAAC

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228442 representing NM_001271729
Red=Cloning site Green=Tags(s)

MRRVRRFQIAQYKCLVIKYAKDTRYSNSFSTHDRNTMDALPACMLRDVTQESLGVAVIGIDEGQFFPDIV
DFCEMMANEGKTVIVAALDGTFRKAFGSILNLVPLAESVVKLTAVCMCFREAAAYTKRLGLEKEVEVIG
GADKYHSVCRLCYFKSSAQTAGSDNKNLVLGQPGEALVVRKLFASQQVLQYNSAN

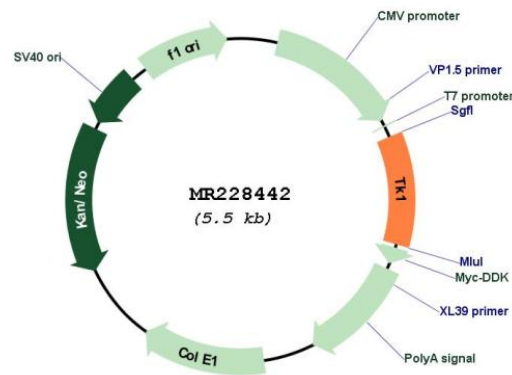
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001271729

ORF Size: 591 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_001271729.1](#), [NP_001258658.1](#)

RefSeq Size: 1357 bp

RefSeq ORF: 594 bp

Locus ID: 21877

UniProt ID: [P04184](#)

Cytogenetics: 11 82.96 cM

MW: 22.4 kDa