

Product datasheet for **RR208502**

Tlk1 (NM_001107734) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlk1 (NM_001107734) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208502 representing NM_001107734
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGTGGTGTGGCACACATTCTTCTCCAATAAAGAAATGTGCAATGGATGAACCTCACAGTCTGGATC
 CAAGAAGCAAGAATTATTGGAAGCGAGATTTACTGGAGTTGCTACTGGGAGCACTGGGAGTACTGGGAG
 TTGCAGTGTGGAGCGAAAGCTTCAACAATAATGAAAGTTCTAATCACAGTTTTGGAAGCTTAGGATCT
 CTAAGTGACAAAGAATCAGAGACACCAGAGAAGAAACAATCTGAGTCATCCAGGGGAAGAAAGAGAAAAG
 CAGAAAGTCAGAAATGAAAGTAGTCAGGGAAAAAGTATTGGGGGGCGTGGCCACAAGATTAGCGACTATTT
 TGAATACCAAGGTGAAATGGCTCCAGTCCCGTAAGAGGCATACCTCCAGCAATCCGTTCTCCGCAAAAC
 TCACACTCTCATTCCACTCCCTCCTCATCTGTTGACCGAATAGTCTTCTCTACTGCATTAGCTTTTCG
 GGGACCACCTGTGTACAACCAAAAGCAGTTATCCTTTAAGATCACTCAAAGTATTTACAATGCTGAA
 ATTTGGCAGCATTAGAAAGTACTAAAAATCAGGACCTGGAAAAGAAGGAAGTTCGGATAGATGATTTGCTC
 AGGGCCAACTGTGATCTCAGGCGCAAAATAGATGATCAACAGAAATTAAGTAAAAATACAAAGAACGAT
 TAAATAAGTGCATATCTATGAGCAAGAAACTGCTTATTGAAAAGAGTACACAAGAAAAATTTGCAAGCAG
 AGAGAAGAGTATGCAAGATCGGTTGCGCCTTGGGCACTTTACAACAGTTAGACATGGCGCTTCTTTTACA
 GAACAATGGACAGATGGTTTTGCATTTCAAAATCTTGTGAAGCAACAAGAGTGGGTGAATCAACAAGGG
 AAGATATTGAACGGCAAGAAAACCTTCTAGCCAAACGCAACCTCCCACAGCTAATAATTCTCAGGCACC
 TGCAACCAATTTGAACCAAAACAAAGAAAAACAAGGCAGTCAACGGAGCAGAAAATGATCCCTTTGTT
 AGACCAAAATTTACCACAACCTGCTGACTCTGGCAGAATATCATGAACAAGAGGAAATTTTAAACTTAGAC
 TAGGACATCTCAAAAAGGAAGAGGCTGAAATCCAGGCGGAACAGAGCGTTTGGAAAAGGTCAGGAATCT
 TCACATCCGAGAGCTGAAGAGAATAAACAATGAGGATAATTCACAGTTCAAAGATCATCCAACATTAAT
 GAAAGATATTTACTCCATCTGCTTGGAAAGAGTGGCTTTAGTGAGGTGTATAAGGCTTTTGACTTGT
 ATGAGCAAAGATATGCTGCTGTGAAGATCCACCAGCTTAATAAAAGCTGGAGAGATGAGAAAAAGAAAA
 CTACCATAAACACGCTTGACAGAGATACGAATACACAAAGAGCTGGACCACCCAGAATAGTTAAACTC
 TATGATTACTTCTCTTGGACACAGATACGAAATATCCTTCTAGTAGATGGAACGGCGTGTGGAGAAATC
 AAAATCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208502 representing NM_001107734
 Red=Cloning site Green=Tags(s)

MCGVAHILLQIKKCAMDELHSLDPRRQELLEARFTGVATGSTGSTGSCSVGAKASTNNNESSNHSFGLGS
 LSDKESETPKKQSESSRGRKRKAESQNESSQGKISIGGRGHKISDYFEYQGGNGSSPVRGIPPAIRSPQN
 SHSHSTPSSSVRPNSPPTALAFGDHPVVQPKQLSFKITQTDLTMLKLAALSTKNQDLEKKEGRIDDL
 RANCDLRRQIDDDQKLEKYKERLNKCI SMSKLLIEKSTQEKLSREKSMQDRLRLGHFTTVRHGASFT
 EQWTDGFAFQNLVKQEQEWNQREDIERQRKLLAKRKPPTANNSQAPATNSEPKQRKNKAVNGAENDPFV
 RPNLPQLLTLAEYHEQEEIFKLRLGHLKKEEAEIQAELELRLERVNRLHIRELKRINNEDNSQFKDHPTLN
 ERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLNKSURDEKKNYHKHACREYRIHKELDHPRIVKL
 YDYFSLDTRKYPSSRWNGVWRNQNH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

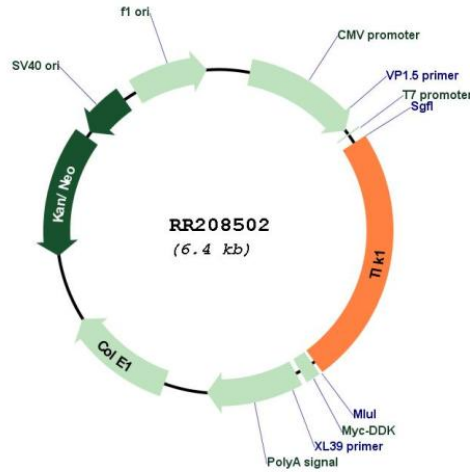
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107734

ORF Size: 1548 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_001107734.1](#), [NP_001101204.1](#)

RefSeq Size: 3746 bp

RefSeq ORF: 1551 bp

Locus ID: 311118

Cytogenetics: 3q22

MW: 59.2 kDa