

Product datasheet for **MC221003**

Tlk2 (NM_011903) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlk2 (NM_011903) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tlk2
Synonyms:	4933403M19Rik; PKUalpha; Tlk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221003 representing NM_011903
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAAGAACTGCATAGCCTGGACCCACGAAGGCAGGAATTACTAGAGGCCAGTTCCTACTGGAGTTG
 GTGTAAGTAAGGGGCCACTCAACAGTGAAGTCTTCCAACCAGAGTCTGTGCAGCGTGGGGTCTGTGAGTGA
 TAAAGAAGTAGAGACTCCTGAGAAAAAGCAGAATGACCAGCGAAATCGGAAAAAGGAAAGCCGAGCCATAT
 GACACTAGCCAAGGGAAAGGCCTCTAGGGGACATAAAATTAGTGATTACTTTGAGCGTCGAGCAGAAC
 AGCCTCTGTATGGTTTAGATGGCAGTGCAGCAAAGGAGGCCTCAGAAGAGCAGTCTGCTCTGCCACCCCT
 CATGTCAGTGATTTAGCAAACCGGACTTGACACAGAGCAGTTAGCGCCACGGGGAGCTGGCCTCTGC
 TTCCTTTCTGCTCTGCTCAACAAAACAGTCTTCTTCTACGGGTTCTGGCAATACAGAATTCTTGCA
 GCTCCCAAAAACAGATCTCCATCCAGCACAGACAGACCCAGTCTGACCTCACAATAGAAAAATATCTGC
 ACTAGAAAACAGTAAGAAGTCTGACTTAGAGAAGAAGGAAGGAAGATAGATGATTTATTAGAGCCAAC
 TGTGATTTGAGACGACAGATAGATGAACAGCAAAGATGCTAGAGAAATACAAGGAACGATTAATAGAT
 GTGTCACCATGAGCAAGAAGCTCCTTATAGAAAAGTCAAAAACAAGAGAAGATGGCGTGCAGAGATAAGAG
 CATGCAGGACCGATTGCGATTAGGCCACTTTACTACTGTCCGGCATGGAGCCTCGTTTACTGAGCAGTGG
 ACAGATGGTTATGCTTTCCAAAACCTCATCAAGCAACAGGAAAGGATAAAATTCACAGAGAGAAGAGATAG
 AAAGGCAACGGAAAAATGTTAGCAAAACGGAAACCTCCTGCCATGGGTGAGGCCCTCCTGCAACCAATGA
 GCAGAAAACAACGGAAAAGCAAGACTAATGGAGCTGAAAATGAAACGTTAACGTTAGCCGAGTACCATGAA
 CAAGAGGAAATCTTCAAACCTTAGATTAGGTCATCTTAAGAAAGAGGAAGCAGAAAATCCAGGCAGAGCTGG
 AAAGGCTGGAAAGGGTTAGGAATCTACACATCAGGGAATTAAGAAAGGATACATAATGAAGACAATTCGCA
 GTTTAAAGACCATCCAACACTAAATGACAGATATTTGTTGTTACATCTTTTGGGTAGAGGAGGTTTCAGT
 GAAGTTTACAAGGCATTTGATCTAACGGAGCAAAGATATGTAGCTGTGAAAATTCACCAGTTAAATAAAA
 ACTGGAGAGATGAGAAAAAGGAGAATTACCACAAGCATGCGTGTAGGGAATACCGGATTCACAAGGAGCT
 GGACCACCCAGGATAGTGAAGCTGTATGATTACTTTTCACTGGACACTGACTCGTTTTGTACAGTATTA
 GAATACTGTGAAGGGAATGACCTGGACTTCTACCTAAAACAGCACAAAATTAATGTCGGAGAAAGAAGCCC
 GATCCATTATTATGCAGATTGTGAATGCTTTAAGTACTTAAATGAAATAAAACCTCCCATACACTACTA
 TGACCTCAAACAGGTAATATCCTTTTAGTAAATGGTACAGCATGTGGAGAGATAAAAAATACAGATTTT
 GGTCTTTCCAAGATCATGGATGATGATAGCTACAATTCAGTGGATGGCATGGAGCTGACGTACAAGGAG
 CTGGTACTTATTGGTATTTACCACCAGAGTGTGTTGTTGGTGGGAAAGAGCCACCAAAGATCTCAATAA
 AGTCGATGTTTGGTCAAGTGGGTGTGATCTTCTACCAGTGTCTTTATGGGAGGAAGCCTTTTGGCCATAAC
 CAGTCCCAGCAAGATATTCTACAAGAGAATACTATTCTTAAGGCTACTGAAGTACAGTTCGCCCAAAGC
 CAGTAGTAACACCTGAAGCAAAGGCATTATCAGGAGATGTCTGGCCTATCGAAAGGAAGATCGCATTGA
 TGTGCAGCAGCTGGCCTGTGACCCTACTTGTTCCTCACATCCGAAAGTCAGTCTCCACAAGTAGCCCT
 GCAGGAGCTGCTATTGCATCAACCTCTGGGGCATCCAATAACAGTTCTTCGAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011903
Insert Size: 2157 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:	<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:	<u>NM_011903.3, NP_036033.2</u>
RefSeq Size:	5379 bp
RefSeq ORF:	2157 bp
Locus ID:	24086
Cytogenetics:	11 E1
Gene Summary:	Serine/threonine-protein kinase involved in the process of chromatin assembly and probably also DNA replication, transcription, repair, and chromosome segregation. Phosphorylates the chromatin assembly factors ASF1A AND ASF1B. Phosphorylation of ASF1A prevents its proteasome-mediated degradation, thereby enhancing chromatin assembly (By similarity). Negative regulator of amino acid starvation-induced autophagy (By similarity). [UniProtKB/Swiss-Prot Function]