

Product datasheet for **MC201189**

Tpk1 (NM_013861) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpk1 (NM_013861) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tpk1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC015246 sequence for NM_013861
 CGATCCGTCACCTCCCGCAGCCCTCGCTCGCGTCGCTCGTGGCTCCACCCGCCATTGTAATCCATTCCCCG
 CTATGGAGCATGCCTTTACCCCGTTGGAACCCCTGCTACCTACGGGGAAC TTGAAATACTGCCTTGTGGT
 TCTTAATCAGCCTTTGGATGCACGATTTTCGCCATCTTTGGAAAAAGCTCTTTAAGAGCCTGTGCTGAT
 GGGGTGCCAACCACTTATATGATCTCACTGAAGGAGAGAGAGAAAGCTTCTTGCCTGAATTCGTCAGTG
 GGGACTTTGATTCTATTAGGCCTGAAGTCAAAGAGTACTACACCAAGAAGGGCTGTGATCTTATTTCAAC
 TCCTGACCAAGACCACACTGACTTTACCAAGGTCTTCAAGTGCTCCAAGGAAGATAGAGGAAAAGGAA
 CTGCAGGTTGACGTGATTGTGACACTGGGAGGTCTCGGTGGGCGTTTTGACCAAATCATGGCCTCTGTGA
 ATACCCTTTTCCAAGCCACTCACATCACTCCTGTGCCGATTATAATAATCCAAAAGGACTCTCTCATCTA
 CCTCTCCAACCCGGGAAGCACAGGCTCCATGTAGACTGGAATGGAAGGGAGCTGGTGTGGCCTGATT
 CCTGTTGGACAGCCTTGCAACCAGGTGACGACAACAGGCCTGAAATGGAACCTCACAAATGATGTTCTTG
 GCTTTGGAACACTGGTCAGTACTTCTAACACCTACGATGGGTCCGGCCTTGTCACTGTGAAAAGTACCA
 CCCACTCTCTGGACCATGGCCATCAAGAGCTAACCTACAGTCCGATCCATCTTGTGCCTGTGCCTTC
 CCTTACCTGCCACTGGTTCGTTGCTCAGCATGAACAGCCACATAGGTGTGCAGAAATGTAACCTCTCC
 ATGGGGAACCATGAGCTTCAAGGTGTTGGGGTAAAGGTATAGCTGAGTGGCAGAGCACTTGTTCGCAT
 GTACAAGCCTTGGGTTCAACCCCTCCACACCACAAAATAAAGATGGTGGTGTAAAGATTCAGGTAAAT
 GCTATAAATGATATCTCAATGTTATATTGAGGGAAAAATTATGGTCTATCAAAGCAAATAAGCTGTATTG
 TATGGCTAATATAGCTAATGAGGATCATTACATTATGTAATTCAGTTTTGATCATTTTAAATTTAGTTAAT
 CAGTCCATTTACCTTAAAATCTTTTTTAAATTTTGAAGCACCAGAAGCTTTTTTATTGTGTTGCCTTG
 GAATCTGGCACTTCTTAAAGTGCCTGACAACAAGGGTGCCTCTCTGAGTAGCTCTAACATCAGACTC
 CGGTCTGTAATGTACAATAGCTCCTCGAGTGCTGTGATAGAATGGCACCAGTTCACTTTGACATCATCTT
 TTCAAAGATAAGAATCATTGACTTAATTGTTAGGTTTAAAAGCAAGCAGTAAATGGGCTTCGGGTAATG
 AGAAATGGCAATTCAGGATTCATTCAAACATTAACCCCTGAAAACGTGAAAGCAGCTCTCTGAGCTCTA
 GGAATGTGGGTGCCCTTATGAAAATTGTGACACACTCAAAGCTTTGGCCTGAAGAATCGATCATGAGCC
 TGGAAATTCAGTCACTTTAACCTATTTCCCACTAGGAGCAGGAAAGATGGCTCAGCGGTTAGGGCACT
 AGATACTTCCAGAGGTCTTGAATTCAGTTCCCACTACCTACGTGGTAGCTTGCATCCATCTATAATGG
 AATCCGATACCCTCTTATGGAATGCAGGTGTACATGCAGAGAGAATACTCATAAACATAAAAAATAAATA
 ATTTGGAGGGAAAACACTTACGCTAAAAAGCAAAATATTACTCCATGGACCATCTACTGACATTA
 CCAGAAAATTAGTGTGACTATGGAGATAAATGAATACCACTTGTGAGGAGTCAACAACCTGAAGCCTGTT
 TCTGCATTCCAGTCCACCATGACTCGCTCTCTGCTGTATGGTGGGAGGAAGTACTCACTGAGTGTGTG
 AAAGAACCACAGGTATAAATCTAAATGCTAACGTGTTGCAGGTGTAGAGTAAATAACACAGTCCCTGAC
 TTAGCCTAAGCTTGTGCTGATTAATAACTTATTCATGTTTCTTTTCATGAGCTCCCCCTCATCTTCCTA
 CCCATTTCCCCTCATCTTCTTGTCCCATTTCTTAAACCGTATCTTGCCAAACAAACCATGATTTAAGGCA
 ACCTGCCTACCTTGTGATTTATCCAATGACTATATTACTGTCTTCTTGGTGTACAACAGAATGAAGC
 TAAAAACAAATAGAGGAAGAAAAGGGATCAGTTGAATCAATACCAAGTCTTAAACAGAAATAGTTAGAGT
 CATTATATTTTATGCAAATATATGATTCTGAAATCTGAATGTCAAATAAAAAAGTTATCAATGTGCATGT
 CTGTAGTTGGTTTGTGAGAAATGTTAATGTTATCGCTTGAATTCACATGACTAATCTTTCATAATCA
 TTGTTTCTGTTCAAAGGTGAATTAATGTTATTTTATAATTAATAATCTCAGATCTGACTTCAGATAG
 CAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013861

Insert Size: 732 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: [BC015246](#), [AAH15246](#)

RefSeq Size: 2608 bp

RefSeq ORF: 732 bp

Locus ID: 29807

UniProt ID: [Q9R0M5](#)

Cytogenetics: 6 B2.1

Gene Summary: Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also catalyze the phosphorylation of pyriothiamine to pyriothiamine pyrophosphate.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).