

Product datasheet for **SC215612**

TPK1 (NM_022445) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TPK1 (NM_022445) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TPK1
Synonyms:	HTPK1; PP20; THMD5
ACCN:	NM_022445
Insert Size:	1634 bp



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Insert Sequence: >SC215612 3'UTR clone of NM_022445
The sequence shown below is from the reference sequence of NM_022445. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCCTCTGGACCATGGCCATCAAAAGCTAACCTGTTGACTGGCATCCATAAGTGTGCCTCTGCCTTATC
TCAATTTCTCAACAGTTCATTGCTCAACAAGAACGATTCACCTGGGTTTGCAAGAATCTAAACCTCTCTA
GGGAAGCCCACTGGGTTAAAGATGTTAGTGTTAGATAATACAGGTAACATTATAAATGACAGATCT
CAATTTTATAGTAGTGGGAAAGATACATGCTAAGAAAGCAAATAAGCTCTATTATATTCGGTTGGAACC
TAATGGGAATCATTCCACTATACAATTCAGTACTGATTATTCTTCTTACATTATTAATCATTCCATTTA
TCCTAGAAAATTGTTTTAATTTGAATCAGAGAAAAGTGTGAGGTTCTCTGGAGTCTAGAACATCC
TTAAATGTCTAACACAAGGGCTACCTCTGAGTACCTTTTAGTATTAGTTTTCTGTATATGATATATAT
TATCTTATACTGAAAAAAATTCCTTTTCAGATTGGGGTGTAGAAGTGCACCAGGTCACCTGACCTTA
TTACTGTCTTTGGTATTGTCTTAAATAAATCAAGAATCATTGACCTAATTGTTAAATTTAAAAATAGGT
AGTTAGCAATAGGTGGAAGAGAAATGATGTGAAAGATAAATGATGATTCGTGGAGCCCTACTCACACA
TTAACCCCAAAATTCAAAAGTAAGAATGCAAAAGTCTAGAGGGGTAACAGTCTGCATCATCACAA
CCTAAATGGGAAAGCTGTGCAGAGGAACTTAAGCATAAAAAATTGAATTCGTTTCTGACATACCTTAG
ACTGAAAACTGTTGGTTCATCCAGAAGTGTATTCATATTACCAGAAAATGAGTTTGTCTATGGGGATA
CATGAACCTCATATACTAAGGAGCCTAACTCCAAAGCCTGCGTTCATCCCAGTCTGATATTCACCTA
AGTTCCGGACCCTTTTCTTAGCTGTAATGGAAGCGGTTGGACTGATGGTGTCTGAGGTTCTTTCC
CACACTGAAATTCTAAATATTGACACTTAGCAGTCATAGGGCTGATAATACACACAGTACTGACTTAG
CCTAAACCAACCTGGTGCATCGAAATGTATTACCTTTCTTTTGTAAAGAGACCATCTTCTATCTTTT
CCACCTTTCTCTGTTTTATGAAACCAACTGTTGACATACAAACCATGATTGAAGGAGAACCTGTCCAAC
ATGTTTTATGTACACAAATCCCTATGTTGCTATAAGAAAAGTGAAGTAACTGTTTTCTTGTGTGCT
ATGACAGTGTGAGACTCAGGTTGTCTGTAGAGAATGAAAGGAGCAGTGGCCCGCGTGATTGTGGCATT
AAGGAGCAGTGGCCATGTGACTGTGGCATTTCGGCCTTTTCATTACTTTCTGCTTGACCGGAAGTT
GAGGCTTAGCTATGTTTCCATCTCAGTTTCTGAAGACTAGTTATATATTCCTTACTAGAAATATATTC
ATAATATATAAAAGAAATATATCTGTGATTTTAAATTTTGTACCAAAGAATGCATGTTCTGTGTGCC
CTGAAAATGTTACCAGTGTAAATAAATGGATACTTATCAAAAAAGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_022445.4](#)

Summary: The protein encoded by this gene functions as a homodimer and catalyzes the conversion of thiamine to thiamine pyrophosphate, a cofactor for some enzymes of the glycolytic and energy production pathways. Defects in this gene are a cause of thiamine metabolism dysfunction syndrome-5. [provided by RefSeq, Apr 2017]

Locus ID: 27010

MW: 62.7