

## Product datasheet for **RN209174**

### Tkt (NM\_022592) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tkt (NM_022592) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tkt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN209174 representing NM\_022592  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCCAGTGAGACAGATCCAGTGCACCGTGAAGGCAAACGCTTTCGGTTCCTCTCAGTCCACCAG  
 CTTCCACGTCCTCGCCGACCGGCCATGGAGGGTTACCATAAGCCAGATCAGCAGAAGCTCCAGGCCCT  
 GAAGGACACAGCCAATCGCTGCGCATCAGCTCCATCCAGGCCACCACCGCGCAGGCTCGGGACACCCC  
 ACATCATGCTGCAGCGCTGCCGAGATCATGGTGTCTGTTTTCCATACCATGCGCTACAAGGCCCTGG  
 ATCCCCGAAACCCTCACAATGATCGCTTTGTGCTCTCCAAGGGCCATGCAGCTCCCATCTTATATGCAGT  
 CTGGGCTGAAGCTGGCTTCTGCCTGAGGCAGAGCTGCTGAACCTGAGGAAAATCAGCTCTGACTTGGAT  
 GGGCATCTGTCCGAAACAAGCCTTACCAGTGTGGCCACTGGTCCCTGGGCCAGGGGCTGGGAGCTG  
 CGTGCGGGATGGCATAACAGGCAAATACTTCGACAAAGCCAGCTACCGAGTCTATTGCATGCTGGGAGA  
 CGGGGAGGTGTCCGAGGGCTCCGTTTGGGAGGCCATGGCCTTCGCTGGAATTTACAAGCTGGACAACCTC  
 GTTGCCATTTTTGACATCAACCGTCTGGGCCAGAGCGACCCAGCCCCGCTGCAGCACCAAGTGGAGCTCT  
 ACCAGAAGCGCTGTGAGGCCTTTGGCTGGCAGCCATCATCGTGGATGGGCACAGTGTGGAGGAGCTGTG  
 CAAGGCCCTTGGTCAGGCCAAGCACCAACCAACAGCCATCATTGCCAAGACCTTCAAGGGCCGCGGGATC  
 ACAGGGATTGAAGACAAGGAGCGTGGCATGGGAAGCCCTCCCCAAAAACATGGCTGAGCAGATTATCC  
 AGGAGATTTACAGCCAGGTTCCAGAGCAAAAAGAAGATCCTCGCCACGCCCCCTCAGGAGGATGCCCTTC  
 CGTGGACATTGCCAACATCCGAATGCCTACCCACCCAACTACAAAGTGGGGACAAGATAGCCACACGG  
 AAAGCCTATGGATTGGCCTTCCAAGCTGGGCCACGCCAGTGACCGCATCATCGCCCTGGATGGAGACA  
 CCAAAAATCCACCTTCTCAGAGCTTTCAAAAAGGAGCACCCAGACCCGTTTTCATCGAGTGTCTACATTGC  
 TGAGCAGAACATGGTGAGCATTGCTGTGGCTGTGCCACACGTGACAGGACAGTGCCTTCTGCAGCACT  
 TTTGCGGCCTTCTCACACGCGCCTTCGACCAGATCCGCATGGCCGCATCTCCGAGAGCAACATCAACC  
 TTTGTGGCTCCCCTGCGGCGTGTCCATTGGGAAGACGGGCCCTCGCAGATGGCCCTGGAAGACCTGGC  
 CATGTTTCGGTCGGTCCCTATGTCCACCGTCTTTTACCCAAGTGTGGAGTTGCCACAGAGAAGGCAGTG  
 GAATTAGCAGCCAATACAAAGGGCATCTGCTTCATTTCGGACCAGCCGCCAGAAAATGCCATTATCTATA  
 GCAACAACGAGGATTTCCAGGTTGGCCAAGCCAAGGTGGTCTGAAGAGCAAGGACGACCAAGTACAGT  
 GATCGGGGCTGGCGTAACTCTGCACGAGGCTCTGGCTGCTGCAGAGATGTTGAAGAAAGAGAAGATCGGT  
 GTCGGTGTACTGGACCCCTTACCATCAAGCCCCTGGACAAAAGCTCATTCTCGACTGTGCCAGAGCAA  
 CCAAAGGCAGGATCCTCACCGTGGAGGACCACTACTATGAAGGTGGCATAGGCGAGGCAGTATCTGCTGT  
 GGTAGTGGGGAACCTGGAGTCACAGTCACTCGCTGGCGGTGAGCCAAGTACCACGAAGTGGGAAGCCA  
 GCTGAGCTGCTGAAGATGTTTGGTATTGACAAAGACGCCATTGTGCAAGCTGTGAAGGGCCTTGTCACCA  
 AGGGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_022592
- Insert Size:** 1968 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:** [NM\\_022592.1](#), [NP\\_072114.1](#)

**RefSeq Size:** 2098 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 64524

**UniProt ID:** [P50137](#)

**Cytogenetics:** 16p16

**Gene Summary:** human homolog is a key enzyme in the pentose-phosphate pathway and may be associated with Wernicke-Korsakoff syndrome [RGD, Feb 2006]