

## Product datasheet for **SC208768**

### TKTL1 (NM\_001145934) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** TKTL1 (NM\_001145934) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** TKTL1  
**Synonyms:** TKR; TKT2  
**ACCN:** NM\_001145934  
**Insert Size:** 692 bp  
**Insert Sequence:** >SC208768 3'UTR clone of NM\_001145934  
The sequence shown below is from the reference sequence of NM\_001145934. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGCCGTGAAATGCATGTTGCTGAACTAAATAGCTGTTAGCTTTGGTCTTTTGGCCTCTTTACCCCTG
TGTTTATGTTTGTCCAAAACCATCATTAAATCTCTACTGTACATTTTGTTCCTAAAAGCAAAGCC
AGCTAACACCTTCATTATCCCTAGTTCGAAATTCAAGCTAACTACTTACCCTTTAAACTGTCACTGC
ATATGCAAGTACCGCTCTAATTTTTGGATCATTAAAGGGAGTTACACAACCTTTAAGTGAAAAAATAG
GTAACAAAACAACCACCTGATAGTAAGTTTTCTGATAAGACTATAGATAAGTGGTAGAGGTAATCAATT
CTTCCGAAGTGTTCCTTCGTGAATAACTGGTAGAGGTAATAGTTTTTCAATGTATTTCCCTTCATGAG
TAAAGAAAATGTGGATTGAAGTATAGATTCCAGTAGCCTAGTTTCCACAGCACGATAACACCATGACGC
CTACTGCTGTTCCACCTTGGGATTCTGTGTGCTGCCATCCACCTGCAGCTGCCCTGGAATTCCTTC
GCTGTTTGCCTTCATCTCCCTCCAGTTTGAGAGGCTGTCAGGCAGCAGCGAAAGCTTGTTAGGATGTC
CTGTGCTGCTTGATGAGAGCCTCCACACTGTACTGTTCAAGTCAATGTTAATAAAGCATTTCAAAAC
CA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001145934.2</a>
<b>Summary:</b>	The protein encoded by this gene is a transketolase that acts as a homodimer and catalyzes the conversion of sedoheptulose 7-phosphate and D-glyceraldehyde 3-phosphate to D-ribose 5-phosphate and D-xylulose 5-phosphate. This reaction links the pentose phosphate pathway with the glycolytic pathway. Variations in this gene may be the cause of Wernicke-Korsakoff syndrome. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
<b>Locus ID:</b>	8277
<b>MW:</b>	26.6