

## Product datasheet for **SC208767**

### TKTL1 (NM\_012253) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TKTL1 (NM_012253) Human 3' UTR Clone
Symbol:	TKTL1
Synonyms:	TKR; TKT2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012253
Insert Size:	692 bp
Insert Sequence:	>SC208767 3'UTR clone of NM_012253 The sequence shown below is from the reference sequence of NM_012253. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGCCGTGAAATGCATGTTGCTGAACAAAAATAGCTGTTAGCTTTGGTCTTTTGGCCTCTTTACCCTG
TGTTTATGTTTGTCCAAAACCATCAATTAATCTCTACTGTACATTTTGTTCCTAAAAGCAAAGCC
AGCTAACACCTTCATTCATCCCTAGTTCGGAATCAAGCTAACTACTTACCCTTAAACTGTCACTGC
ATATGCAAGTACCGCTCTAATTTTTGGATCATTAAAGGGAGTTACACAACCTTTAAGTGAATAAATAG
GTAACAAAACAACCACCTGATAGTAAGTTTTCTGATAAGACTATAGATAAGTGGTAGAGGTAAATCAATT
CTCCGAAGTGTTTCTTCGTGAATAACTGGTAGAGGTAATAGTTTTTCAATGTATTTCCCTTCATGAG
TAAAGAAAATGTGGATTGAAGTATAGATTCCAGTAGCCTAGTTTCCACAGCACGATAACACCATGACGC
CTACTGCTGTTCCACCTTGGGATTCTGTGTGCTGCCATCCCACCTGCAGCTGCCCTGGAATCCCTTC
GCTGTTTGCTTCATCTCCCTCCACGTTTGAGAGGCTGTCAGGCAGCAGCGAAAGCTTGTAGGATGTC
CTGTGCTGCTTGTGATGAGAGCCTCCACACTGACTGTCAAGTCAATGTTAATAAAGCATTTCAAAAC
CA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

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).



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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>	<u><a href="#">NM_012253.4</a></u>
<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