

## Product datasheet for SC209067

### Thymidine Kinase 1 (TK1) (NM\_003258) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Thymidine Kinase 1 (TK1) (NM_003258) Human 3' UTR Clone
Symbol:	Thymidine Kinase 1
Synonyms:	TK2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003258
Insert Size:	698 bp
Insert Sequence:	>SC209067 3'UTR clone of NM_003258 The sequence shown below is from the reference sequence of NM_003258. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGATTCTGCAATGCAGCCCTGCCAACTGAGGGACCTGCGAGGGCCGCCGCTCCCTTCTGCCACTGC
CGCCTACTGGACGCTGCCCTGCATGCTGCCAGCCACTCCAGGAGGAAGTCGGGAGGCGTGGAGGGTGA
CCACACCTTGGCCTTCTGGAACTCTCCTTTGTGTGGCTGCCCCACCTGCCGCATGCTCCCTCCTCTCC
TACCCACTGGTCTGCTTAAAGCTTCCCTCTCAGCTGCTGGGACGATCGCCAGGCTGGAGCTGGCCCCG
CTTGTTGGCTGGGATCTGGCACACTCCCTCTCCTTGGGGTGGAGGACAGAGCCCCACGCTGTTGACAT
CAGCCTGCTTCTCCCTCTGCGGCTTTCAGTCTGAGTTTCTGTTCTCCCTGGGAAGCCTGTGCCAGC
ACCTTTGAGCCTTGGCCCACTGAGGCTTAGGCCTCTCTGCCTGGGATGGGCTCCACCCCTCCCTGA
GGATGGCCTGGATTACGCCCTCTGTTTCTTTGGGCTCAAAGCCCTTCTACCTCTGGTGATGGTT
TCCACAGGAACAACAGCATCTTTCACCAAGATGGGTGGCACCAACCTTGTGGGACTTGGATCCCAGGG
GCTTATCTTCAAGTGTGGAGAGGGCAGGGTCCACGCCTCTGCTGTAGCTTATGAAATTAATAATTG
AAAATTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

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_003258.5</a></u>
<b>Summary:</b>	The protein encoded by this gene is a cytosolic enzyme that catalyzes the addition of a gamma-phosphate group to thymidine. This creates dTMP and is the first step in the biosynthesis of dTTP, which is one component required for DNA replication. The encoded protein, whose levels fluctuate depending on the cell cycle stage, can act as a low activity dimer or a high activity tetramer. High levels of this protein have been used as a biomarker for diagnosing and categorizing many types of cancers. [provided by RefSeq, Oct 2016]
<b>Locus ID:</b>	7083
<b>MW:</b>	24.6