

Product datasheet for **SC106197**

DTYMK (AF258562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTYMK (AF258562) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTYMK
Synonyms:	CDC8; PP3731; TMPK; TYMK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF258562, the custom clone sequence may differ by one or more nucleotides

```
ATGCTTCCAAAAGCATCGAAGCTGTCCATGAGGACATCCGCGTGCTCTCTGAGGACGCCATCCGCACTGC  
CACAGAGAAGCCGCTGGGGGAGCTATGGAAGTGACCCAAGGCTGCCACTGGAGACGCCTCTCCCTGCAGT  
CCCCCGAGAGGTGGGAGACTCGCGGAAGGCCCTGTCCCCAGCGGAGTCCAGACCCACAACCTTCAGGAGC  
TCTTTCCCGGCAGCAGAGATCTGCAGGCTGCCTTTCTGCCCCGGAGCTGGGGTGCCTGGGGACCCCG  
TGGTGGGGACCTTGGCAGTGTGGACATGA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AF258562 unedited</p> <pre> TTTTGCCCCCGCCGTTGCCGCTTTGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG AATTCGGCAGCAGGTGAGAACGGGGCTTCCAGGAGCGGGCGCTCCGGTGTTCACCAG CTCATGAAAGACACGACTTTGAACTGGAAGATGGTGGATGCTTCCAAAAGCATCGAAGCT GTCCATGAGGACATCCGCGTGTCTCTGAGGACGCCATCCGACTGCCACAGAGAAGCCG CTGGGGGAGCTATGGAAGTGACCCAAGGCTGCCACTGGAGACGCCTCTCCCTGCAGTCC CCCGAGAGGTGGGAGACTCGCGGAAGGCCCGTCCCAGCGGAGTCCAGACCCCAAACT TCAGGAGCTCTTTCCCGCAGCAGAGATCTGCAGGCTGCCTCTTCTGCCCGGAGCTGGG GTGCACTGGGGACCCCGTGGTGGGGACCTTGGCAGTGTGGACATGAGCAGAGCGATGGA GCAGTCTCCTGCCCTCTCCCTGTCTGATGGCACTCTGTTGATTTTCTTACTGAAGTT CAGTGATAACTCTGAGCAGTTTCATTGTGATCACTGTAATGGTAATCAGTTGGAATTCT CCTAAATGTCTTCCAGACACTAGTAAAAAAGACCTGCANNNNNANANNNNANNNNACNN NNNNNANCAAAAAAAAAACCCTCGACTCTAAATGCGGCCGCGGTCTAGCTGTTTCCTG ACAGACCCCGGGGGATCCCTGTGACCCTTCCCAGTGCCTCTTCTGCCCTGGAAGTTGC CCCTCCGGGCCCCACCCTTGCCTATAAAAATAAGTGGCTCTTTGTCTGCACAGGGGCC TTTAAATATGGGGGGGGGGGGTGG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AF258562 unedited</p> <pre> AAACTGAGGTACCGCGCCGCACTCNANGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTCAGGGCTTTTTTTACTAGTGTCTGGAAAACTTTAGGAAAT TCCAACGTATTACCATTTACAGGGATCACAAATGAACTGCTCAAAGTTTACTACTGAACTT CAGTAAGAAAAATACAACAGAGTGCCCTCAGGACAGGGGAAAGGGCAGGAAACTGCTCCA TCGCTCTGCTCATGTCCACACTGCCAAGGTCCCCACCACGGGGTCCCCAGTGCACCCCA GCTCCGGGGCAAAAAAGCAGCCTGCAAATCTTTGCTGCCGGGAAAAAGCTCCTGAAGTT GTGGGGTCTGGACTCCGCTGGGGACGGGGCCTTCCGCGAGTCTCCACCTCTCGGGGGAC TGCAGGGAAAGGCGTCTCCAGTGGGCAGCCTTGGGTCACTTCCATAGCTCCCCACGGCG TTCTCTGTGGCAGTGGGATGGCGTCTCAAAAAGCACGGGATGCTCCTCATGGACAGCT TCGATGCTTTTGAAGCATCCACCATCTCCAGTTCAAAGTCGTGTCTTTCATGAGCTGG TGGAAACACCGGAGCGCCGCTCTGAAAGCCGTTCTCACCTGTGCCGAATTCGCGG CCGCTGAAAAAAGACAAGTAGTTGGATTATAGTGGCACCTAATGAGCTCTGCCTATAT AGACCTCCACCGTACACCCTACCGCATTGCGTCAACGGGGCGGGTTATTACAACAT TTGGGAAAACCCCTTGATTTTTGTGCCAAACAAAATCCCCTTGACCTCAATGGGGTGGAA ACTGGGAAATCCCGGGTTAAAACGCTTCCCCCGCCATTGGTGTACTGGCAAACCCGT T </pre>
Restriction Sites:	NotI-NotI
ACCN:	AF258562
Insert Size:	600 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: [AF258562.1](#), [AAG23765.1](#)

RefSeq Size: 1946 bp

RefSeq ORF: 309 bp

Locus ID: 1841

Cytogenetics: 2q37.3

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Gene Summary: Catalyzes the conversion of dTMP to dTDP.[UniProtKB/Swiss-Prot Function]