

Product datasheet for **SC327387**

DTYMK (NM_001165031) Human Untagged Clone

Product data:

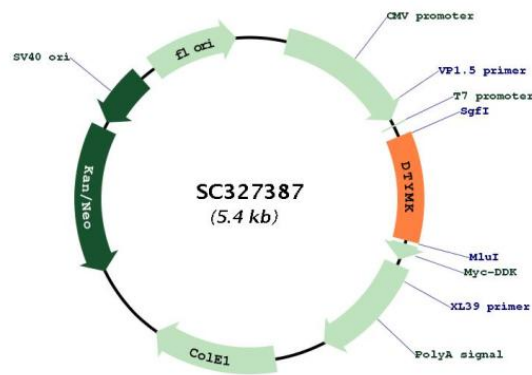
Product Type:	Expression Plasmids
Product Name:	DTYMK (NM_001165031) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTYMK
Synonyms:	CDC8; PP3731; TMPK; TYMK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327387 representing NM_001165031. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCCCGGCGGGGCTCTCATAGTCTGGAGGGCGTGGACCGCGCCGGGAAGAGCACGCAGAGC
CGCAAGCTGGTGAAGCGCTGTGCGCCGCGGGCCACCGCGCCGAAGTCTCCGGTCCCGAAAAGATCA
ACTGAAATCGGCAAACTTCTGAGTTCTACTTGCAAAAAGAAAAGTGACGTGGAGGATCACTCGGTGCAC
CTGCTTTTTCTGCAATCGCTGGGAACAAGTCCGTTAATTAAGGAAAAGTTGAGCCAGGGCGTGACC
CTCGTCGTGGACAGATACGCATTTCTGGTGTGGCCTTACCAGGTCCAAGGAGTTACAGCTGGCGGAT
GCTGCCAAGCGGGGAGCGTTTGGCCATGAGCGCTATGAGAACGGGGCTTCCAGGAGCGGGCGCTCCGG
TGTTTCCACCAGCTCATGAAAGACACGACTTTGAACTGGAAGATGGTGGATGCTTCCAAAAGCATCGAA
GCTGTCCATGAGGACATCCGCGTCTCTGAGGACGCCATCCGCACTGCCACAGAGAAGCCGCTGGGG
GAGCTATGGAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001165031

Insert Size: 567 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001165031.1</u>
RefSeq Size:	1155 bp
RefSeq ORF:	567 bp
Locus ID:	1841
UniProt ID:	<u>P23919</u>
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
MW:	21.1 kDa
Gene Summary:	Catalyzes the conversion of dTMP to dTDP.[UniProtKB/Swiss-Prot Function]