

Product datasheet for **RG228752**

DTYMK (NM_001165031) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DTYMK (NM_001165031) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DTYMK
Synonyms: CDC8; PP3731; TMPK; TYMK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228752 representing NM_001165031
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCCCGCGCGGGCTCTCATAGTCTGGAGGGCGTGGACCGCGCCGGAAGAGCACGCAGAGCC
 GCAAGCTGGTGAAGCGCTGTGCGCCGCGGCCACCGCGCGAACTGCTCCGGTCCCGAAAGATCAAC
 TGAATCGGCAACTTCTGAGTTCCTACTTGC AAAAGAAAAGTGACGTGGAGGATCACTCGGTGCACCTG
 CTTTTTCTGCAATCGCTGGGAACAAGTGCCGTTAATTAAGAAAAGTTGAGCCAGGGCGTGACCCTCG
 TCGTGGACAGATACGCATTTTCTGGTGTGGCCTTCACCGGTGCCAAGGAGTTACAGCTGGCGGATGCTGC
 CAAGCGGGAGCGTTTGGCCATGAGCGCTATGAGAACGGGGCTTCCAGGAGCGGGCGCTCCGGTGTTC
 CACCAGCTCATGAAAGACACGACTTTGAACTGGAAGATGGTGGATGCTTCCAAAAGCATCGAAGCTGCC
 ATGAGGACATCCGCGTGCTCTCTGAGGACGCCATCCGCACTGCCACAGAGAAGCCGCTGGGGGAGCTATG
 GAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228752 representing NM_001165031
 Red=Cloning site Green=Tags(s)

MAARRGALIVLEGVDRAGKSTQSRKLVEALCAAGHRAELLRFPERSTEIGKLLSSYLQKKS DVEDHSVHL
 LFSANRWEQVPLIKEKLSQGVTLVVDRYAFSGVAFTGAKELQLADAAKRGAFGHERYENGAFQERALRCF
 HQLMKD T TLNWK MVDASKSIEAVHEDIRVLS EDAIRTATEKPLGELWK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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: [NM_001165031.2](#)

RefSeq Size: 1155 bp

RefSeq ORF: 567 bp

Locus ID: 1841

UniProt ID: [P23919](#)

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]