

Product datasheet for MR201518

Tprkb (BC027162) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tprkb (BC027162) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tprkb
Synonyms: Cgi-121, mDRWMS1, DRWMS1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201518 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCTATCACAGCAGCTGGACTTGTTCCTGAATGCAGGGTGACCCTTCTGTTATTTAAAGATGTAA
 AAAATGCAGGAGACTTGAGAAAAAGGCCATGGAAGGATCTATTGATGGTTCATTGATAAACCCCAATGT
 GATTGTCGATCCATTTAGATACTTGTGGCAGCAAACAAGCCGTTTCATCTCCACAGACTGGGAAAAATG
 AAGACAAGAACTGTCTACTGAAATTATCTTCAACCTCTCCCAATAATAATATTTAGAGGCCCTTGA
 AGAAATTTGGCATTTCAGAACTAACACTTCAGTTCTGATTGTTTACATTGAAGATGGAAGCAAACAAGT
 ACCACAGGAACACCTAGTATCTCAAGTGAAGGCCAGCAGGTGCCTTTGGAAAGTCTCCAGAAATAACA
 AGGCTCTCGGAAGTCAAGAAGATATATAAACTGTATCAACAAGAAGAGAGGATTGGGACGTTATTGGATG
 CTATCATTGTAGAATGTCAACGAAGGATGTTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201518 protein sequence
 Red=Cloning site Green=Tags(s)

MQLSQQLDLFPECRVTLTLLFKDVKNAGDLRKKAMEGSIDGSLINPNVIVDPFQILVAANKAVHLHRLGKM
 KTRTLSTEIIFNLSPNNIASEALKKFGISETNTSVLIVYIEDGSKQVPQEHLSVQVEGQQVPLESLPEIT
 RLSEVKKIYKLSQEERIGTLLDAIICRMSTKDVL

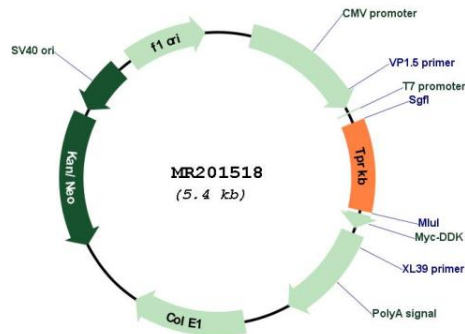
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Gene Summary:

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. TPRKB acts as an allosteric effector that regulates the t(6)A activity of the complex. TPRKB is not required for tRNA modification.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MR201518