

Product datasheet for MR204973

Osgep (NM_133676) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgep (NM_133676) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osgep
Synonyms:	1500019L24Rik; GCPL-1; PRSMG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204973 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGGTGTGGGGTTTGAAGGCAGCGCCAACAAGATCGGCGTGGGCGTGGTCCGCGACGGCACGG
TGCTGGCGAACCCGCGGCGCACTTACGTCACGGCCCCGGGCACGGGATTCCTTCCAGGTGACACGGCCAG
GCACCATCGAGCTGTTATCCTAGACCTACTGCAGGAGGCGCTAGCAGAGGCAGGATTGACCTCCAAGGAC
ATTGATTGCATTGCTTTACCAAAGTCTGGCATGGGAGCCCCATTGGCTTCTGTAGCTGTTGTTGCC
GTACAGTGGCCAGTTGTGAATAAGCCTTTGCTTGGCGTGAACCACTGCATAGGCCACATTGAAATGGG
CCGTCTCATCACTGGAGCCGTTAACCCAAGTCTGCTGTATGTGAGCGGAGGAAATACCCAGGTGATTTCC
TACTCAGAACATCGTTATCGCATCTTTGGAGAACTATTGATATCGCCGTGGGAACTGCCTGGATCGTT
TTGCTCGGGTGTGAAGATTTCCAATGACCCAGTCCAGGCTACAACATTGAGCAGATGGCAAAGCGAGG
CAAGAAGCTAGTCGAGCTGCCATATACTGTAAAGGGGATGGATGTCTCGTTTTCCAGGATTTCTGTCTTTC
ATTGAGGATGCAGCGCAGCGAATGCTGGCCACTGGAGAGTGTACTCCTGAAGACCTGTGTTTCTCCTTAC
AGGAAACCGTGTGCAATGCTAGTGAAATCACGGAGCGAGCCATGGCACACTGTGGTCCAAGGAAGC
CCTCATCGTCGGAGGAGTTGGATGTAACCTGAGGCTGCAGGAGATGATGGGACAATGTGCCAGGAGCGG
GGAGCCAGCTCTTTGCAACAGATGAGAGATTCTGCGTTGACAATGGAGCCATGATAGCACAAGCTGGTT
GGGAGATGTTTTCAGGCTGGGCACAGGACTCCTCTCAAAGATTCTGCAATTACTCAGAGGTATAGGACAGA
TGAAGTGAAGTGACATGGAGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_133676.1](#)

RefSeq Size: 1608 bp

RefSeq ORF: 1008 bp

Locus ID: 66246

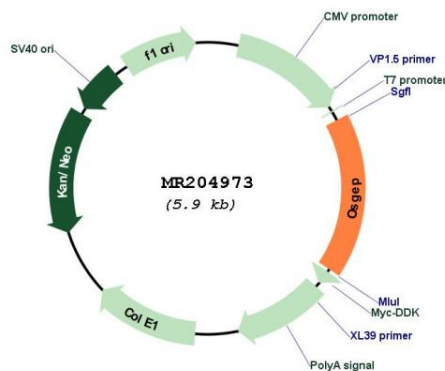
UniProt ID: [Q8BWU5](#)

Cytogenetics: 14 C1

MW: 36.3 kDa

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. OSGEP likely plays a direct catalytic role in this reaction, but requires other protein(s) of the complex to fulfill this activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204973