

Product datasheet for **MC200207**

Osgep (NM_133676) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Osgep (NM_133676) Mouse Untagged Clone
Tag: Tag Free
Symbol: Osgep
Synonyms: 1500019L24Rik; GCPL-1; PRSMG1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002296 sequence for NM_133676
 GCCGGTTACAGCTCGTCACTCGGCCACGACCGGGAGCCGTGAGGCACCATGCCCGCGGTGCTGGGGTT
 CGAAGGCAGCGCCAACAAGATCGGCGTGGGCGTGGTCCGCGACGGCAGGTGCTGGCGAACCCGCGCGC
 ACTTACGTCACGGCCCCGGGCACGGGATTCCCTCCAGGTGACACGGCCAGGCACCATCGAGCTGTTATCC
 TAGACCTACTGCAGGAGGCGCTAGCAGAGGCAGGATTGACCTCCAAGGACATTGATTGCATTGCTTTTAC
 CAAAGGTCCTGGCATGGGAGCCCCATTGGCTTCTGTAGCTGTTGTTGCCCGTACAGTGGCCAGTTGTGG
 AATAAGCCTTTGCTTGGCGTGAACCACTGCATAGGCCACATTGAAATGGGCCGTCTCATCACTGGAGCCG
 TTAACCCAACTGCTGTATGTGAGCGGAGGAAATACCCAGGTGATTTCTACTCAGAACATCGTTATCG
 CATCTTTGGAGAACTATTGATATCGCCGTGGGAACTGCCTGGATCGTTTTGCTCGGGTGTGAAGATT
 TCCAATGACCCAGTCCAGGCTACAACATTGAGCAGATGGCAAAGCGAGGCAAGAAGCTAGTCGAGCTGC
 CATATACTGTAAAGGGGATGGATGTCTCGTTTTCAGGGATTCTGTCTTTTATTGAGGATGCAGCGCAGCG
 AATGCTGGCCACTGGAGAGTGTACTCCTGAAGACCTGTGTTTCTCCTTACAGGAAACCGTGTGCAATG
 CTAGTGGAAATCACGGAGCGAGCCATGGCACACTGTGGCTCCAAGGAAAGCCCTCATCGTCGGAGGAGTTG
 GATGTAACCTGAGGCTGCAGGAGATGATGGGGACAATGTGCCAGGAGCGGGGAGCCAGCTCTTTGCAAC
 AGATGAGAGATTCTGCGTTGACAATGGAGCCATGATAGCACAAGCTGGTTGGGAGATGTTTCAGGCTGGG
 CACAGGACTCCTCTCAAAGATTCTGCAATTACTCAGAGGTATAGGACAGATGAAGTGAAGTGACATGGA
 GGGACTAACCCATCATCAGAAAGAGAAGAGCTTTCCAGGAGGAATGCTCAACTGAGAGCCAGTCTTGGT
 AATGTTCTGGACTGCCCTCTTCGCTGACAAGGGTATGGACCCTATATAAGGCTTAGGGTCCCTTTGGAAA
 CCCAACATGACGCCACAATAAAAAATTTGGTTTTGTATGTTGATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_133676
Insert Size: 1008 bp



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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:	<ol style="list-style-type: none">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>BC002296</u> , <u>AAH02296</u>
RefSeq Size:	1248 bp
RefSeq ORF:	1008 bp
Locus ID:	66246
UniProt ID:	<u>Q8BWU5</u>
Cytogenetics:	14 C1
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]