

Product datasheet for **MC203299**

Osgepl1 (NM_028091) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgepl1 (NM_028091) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osgepl1
Synonyms:	2610001M19Rik; AA416452
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058172
 GCAGTTTCCTAAAGGGAATGGAGACTGCTCCCGCGCACGTCTTTCTGTCCCAAGCTTTTGCTCACCGCC
 AACAGAGACTCCGTTGCTTTCCAGCAACAGATTCCAGCTGTGTTGTCCAAAATAATTCTTCTGGAGAGG
 CTGTGGGAGCTCACGACTGAAATCTGCGCGTAGTTACTCTCAGCCCAGTCACTGCAGGAAGTATTTGTA
 GAGTAACAAATATGCTAATGTTAAGAAGGACAGCAGGAGCTATCCCAAGCCCCAAAGAGTAAAGTTTA
 TGGATTTTTAAGAAGATTTAGTGTTTCATCCAGAATCTCTTGTGCATAAACTGGTCTCGGAATTGAA
 ACCAGCTGTGATGACACAGGAGCGGCTGTGGTGGATGAAACTGGGAATGTGCTGGGGGAAGCACTGCAC
 CCCAAACTCAGGTTTCATCTGAAAACAGGTGGGATTGTTCTCCAGTAGCTCAACAATTCACAGAGAAAA
 TATTCAACGAATAGTAGAAGAACTCTTTCTGCCAGTAGAATCACCCCAAGCGATCTCTCGCAATTGCA
 ACTACCATCAAACCGGGACTGGCCCTAAGCTTAGGAGTCGGCTTATCCTTTAGCTTACAGCTAGTAAATC
 GGTAAAAAGCCGTTTCATCCCGATTTCACATGAGGAGCTCACGACTGACTATTAGGCTCACCAATAA
 AGTAGAATTTCTTTCTAGTTCTTTTGATTTCTGGCGGTCACTGCCTGTTGGCATTAGTCCAAGGTGTT
 TCCGATTTCTGCTCCTTGGGAAGTCTTTGGACATAGCGCCAGGCGACATGCTTGACAAGGTGGCAAGAA
 GACTTTCTTAATCAAACATCCAGAATGTTCTACAATGAGTGGTGGAAAAGCTATAGAACATTTGGCCAA
 AGACGGAAATAGATTCCATTTACTATCAATCCACCTATGCAGAATGCTAAGAATTGCGATTTTCTTTT
 ACGGGACTTCAACATATTACTGATAAGCTAATAACACACAAGGAAAAAGAAGAAGGCATTGAGAAGGGC
 AAATCCTGTCATCAGCTGCAGACATTGCTGCTGCGGTACAGCATGCAACAGCGTGCCACCTTGCAAAAAG
 AACACATCGTGCTATTCTGTTTTGCAAGCAGAAAAATTTGCTATCTCCAGCTAACGCAGTATTAGTTGTA
 TCTGGAGGTGTTGCAAGTAACTTGACATCCGAAAAGCATTGGAAATTGTCGCAATGCAACGCAGTGCA
 CGTTGCTGTGCCCTCCAAGACTGTGCACTGACAATGGCATCATGATTGCATGGAATGGAATTGAAAAG
 ATTACGTGCTGGCTTGGGCGTTTTACATGATGTAGAAGACATCCGATATGAACAAAATGTCCTTTGGA
 ATAGACATATCCAGAGAAGTTGCAGAAGCTGCCATAAAAGTACCGCGATTAATAATGGCACTTTGATTTG
 TGATTTAAAGGTCTCTACAGGCAATAACTGACATGCAATTCAATTCCATATGAAACTCTGGGAAGAAAA
 TCTATTACAGTATTAATATAAACAACCTTCATTGGAACAACAATAATCCATCCCTGAAGATGCTGTATA
 TTTTACCACAATAAACAGTATGTTTTGGAAAAAACAAGTCAAGAATCATTTCTGTTTCAAGT
 GTTTTTGTTTTAATTACTGGCTTTCTGCAGGTCTGGGTTGGCGTTCTGTTTCTTTCCCAAGTTTG
 TTCAAAAATGCTATTCTTGGTCTTGATACATTTATGATATCTGATGAACTCCAGGTGGAATAAAAAAG
 TGTGTGGGAAAAAACAAGT

Restriction Sites: RsrII-NotI

ACCN: NM_028091

Insert Size: 1245 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).

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: [BC058172](#), [AAH58172](#)

RefSeq Size: 1844 bp

RefSeq ORF: 1245 bp

Locus ID: 72085

Cytogenetics: 1 26.99 cM

Gene Summary: Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in mitochondrial tRNAs that read codons beginning with adenine. Probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. Involved in mitochondrial genome maintenance.[UniProtKB/Swiss-Prot Function]