

## Product datasheet for **MC227570**

### Osgepl1 (NM\_001285839) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Osgepl1 (NM\_001285839) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Osgepl1  
**Synonyms:** 2610001M19Rik; AA416452  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227570 representing NM\_001285839  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTAATGTTAAGAAGGACAGCAGGAGCTATCCCAAGCCCCAAAGAGTAAAGTTTATGGATTTTAA  
 GAAGATTTAGTGTTATCCAGAACTCTCTCTTGTGATAAACTGGTCCTGGGAATTGAAACCAGCTGTGA  
 TGACACAGGAGCGGCTGTGGTGGATGAACTGGGAATGTGCTGGGGGAAGCACTGCACTCCAAACTCAG  
 GTTCATCTGAAAACAGGTGGGATTGTTCCCTCCAGTAGCTCAACAACCTTCACAGAGAAAATATTCAACGAA  
 TAGTAGAAGAAACTCTTTCTGCCTGTAGAATCACCCCAAGCGATCTCTCAGCAATTGCAACTACCATCAA  
 ACCGGGACTGGCCCTAAGCTTGGGAGTTGGCTTATCCTTTAGCTTACAGCTAGTAAATCAGTTTAAAAAG  
 CCATTCATCCCGATTATACATGAGGAGCTCACGCACTGACTATTAGGCTCACCAATAAAGTAGAATTTCT  
 CTTTTTAGTTCTTTGATTTCTGGCGGTCCTGCCTGTTGGCATTAGTCCAAGGTGTTCCGATTTCT  
 GCTCCTGGGAAGTCTTTGGACATAGCACCAGGCGACATGCTTGACAAGGTGGCAAGAAGACTTTCTTTA  
 ATCAAACATCCAGAATGTTCTACAATGAGTGGTGGAAAAGCTATAGAACAGTTGGCCAAAAGACGGAATA  
 GATTCATTTTACTATCAATCCACCTATGCAGAATGCTAAGAATTGCGATTTTCTTTACGGGACTTCA  
 ACATATTACTGATAAGCTAATAACACACAAGGAAAAGAAGGCAATTGAGAAGGGCAAATCCTGTCA  
 TCAGCTGCAGACATTGCTGCTGCGGTACAGCATGCAACAGCGTGCCACCTTGCGAAAAGAACACATCGCG  
 CTATTCTGTTTTGCAAGCAGAAAAATTTGCTCTCTCCAGCTAACGCAGTATTAGTTGTATCTGGAGGTGT  
 TGCAAGTAACTTGTACATCCGAAAAGCATTGAAAATTGTCGAAAATGCAACGCAGTGCACGTTGTTGTGT  
 CCACCTCAAGACTGTGCACTGACAATGGCATCATGATTGCATGGAATGGAATTGAAAGATTACGTGCTG  
 GCTTGGGCGTTTTACATGATGTAGAAGACATCCGATATGAACAAAATGTCCTCTGGAGTAGACATATC  
 CAGAGAAGTTCAGAAGCTGCCATAAAAGTACCGGATTAATAAATGGCACTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001285839
<b>Insert Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001285839.1</a></u> , <u><a href="#">NP_001272768.1</a></u>
<b>RefSeq Size:</b>	1868 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	72085
<b>UniProt ID:</b>	<u><a href="#">Q6PEB4</a></u>
<b>Cytogenetics:</b>	1 26.99 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>