

Product datasheet for **SC123665**

OSGEPL1 (BC011904) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSGEPL1 (BC011904) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSGEPL1
Synonyms:	Qri7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC011904 edited
 CTTTCTCTGCAGCGATAAGGGCAGTCGACAGTCTTTAGTAGGGAAAGGAGACAAGTGCT
 AGCTACTGCCGCCAAGTGAAGGAATTATCTATAGAGTAAGTATGCTAATCTTGACTAA
 GACTGCAGGAGTTTTTTTTAAACCATCAAAAAGGAAAGTTTATGAATTTTTAAGAAGTTT
 TAATTTTCATCCTGGAACACTATTTCTCATAAAATAGTATTGGGAATTGAACTAGTTG
 TGATGATACAGCAGCTGCTGTGGTGGATGAACTGGAAATGTGTTGGGAGAAGCAATACA
 TTCCCAAACGAAGTTCATTTAAAAACAGTGGGATTGTTCTCCAGCAGCTCAACAGAGC
 TCACAGAGAAAAATTTCACGAATAGTACAAGAAGCTCTTTCTGCCAGTGGAGTCTCTCC
 AAGTGACCTCTCAGCAATTGCAACTACCATAAAACCAGGACTTGCTTTAAGCCTGGGAGT
 GGGCTTATCATTTAGCTTACAGCTGGTAGGACAGTTAAAAAGCCATTTCATCCATTCA
 TCATATGGAGGCTCATGCACTTACTATTAGGTTGACCAATAAAGTAGAATTTCTTTTTT
 AGTTCTTTTGATTTCTGGAGTCACTGTCTGTTGGCATTAGTTCAAGGAGTTTCAGATTT
 TCTGCTTCTTGAAAAGTCTTTGGACATAGCACCAGGTGACATGCTTGACAAGGTGGCAAG
 AAGACTTTCTTTAATAAAACATCCAGAGTCTCCACCATGAGTGGTGGGAAAGCCATAGA
 ACATTTGGCCAAACAAGGAAATAGATTTTCATTTTACATCAAACCTCCCTTGATCATGC
 TAAAAATTGTGATTTTTCTTTACTGGACTTCAACACGTTACTGATAAAAATAAATGAA
 AAAGGAAAAAGAGGAAGGTATTGAGAAGGGCAAATCCTGTCTTCAGCAGCAGACATTGC
 TGCCACAGTACAGCACACAATGGCATGTCATCTTGTGAAAAGAACACATCGGGCTATTCT
 GTTTTGTAAAGCAGAGAGACTTGTACCTCAAAAATATGCAGTACTGGTTGCATCTGGTGG
 TGTCGCAAGTAACTTCTATATCCGCAGAGCTCTGGAAATTTAACAAACGCAACACAGTG
 CACTTTGTGTCTCTCCAGACTATGCACTGATAATGGCATTATGATTGCATGGAA
 TGGTATTGAAAGACTACGTGCTGGCTTGGGCATTTTACATGACATAGAAGGCATCCGCTA
 TGAACCAAAATGCTCTTGGAGTAGACATATCAAAAAGAAGTTGGAGAAGCTTCCATAAA
 AGTACCACAATTAATAAAAGGAGATATGATTTCTGCTGTTCAAAAAGTCCCTAAAGAGAC
 AGGCTCTTGCCATGTTGCCCGGGCTGGTCTGAACTGCTGAATCAAGTATCCTCCAC
 CTTGGCCTCCAGAAGTGTGGGATTATGGGTGTGAGCCACCATGCCTAGCCAAAATGTTT
 CTTAAGGTATACATTTTGGGTCTTAGAAGACTTATACATTTGTAATTTTATTACTAAAT
 ATCTCAAAGTATTACAATAAATGTTACCATGTGAGCTACTTTGAATCAGGCTTCTGCAC
 ACCAATTTAAAAATGTTAACTCTTGATATATACTAGTTATACCACTCATGTCAGTCAA
 TAAATTTTAAAGTTTAAAGTGCAGGCCTTTGTTTACAGAAATCCTAATTTTTTGAACCAT
 AACTCTGACCTGACACTAAATTCCTGTAGACATGCTAAGGAAAAATCTGCTTAGTATCGAG
 ATCAAGAAGTCCATTCAAAAAGATTATTCAGTTATGTTATTTGCATATTACCATTGTTA
 AAAATAAAAAAATTTTTAAAAGATGAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC011904 unedited
 GGTTTTGGATTTGTATACGACTTTTATAGGGCGCCGGAATTCGCACGAGGCTTTCTCC
 TGCTTCGATAAAGGGCAGTCGACAGTCTTTAGTAGGGAAAGGAGACAAGTGTAGCTACTG
 CCGCCCAAGTGAAGGAATTATCTATAGAGTAAGTATGCTAATCTTGACTAAGACTGCAG
 GAGTTTTTTTTAAACCATCAAAAAGGAAAGTTTATGAATTTTTAAGAAGTTTAAATTTT
 ATCCTGGAACACTATTTCTCATAAAATAGTATTGGGAATTGAACTAGTTGTGATGATA
 CAGCAGCTGCTGTGGTGGATGAACTGGAAATGTGTTGGGAGAAGCAATACATCCCAA
 CTGAAGTTCATTTAAAAACAGTGGGATTGTTCTCCAGCAGCTCAACAGCTTACAGAG
 AAAATATTCAACGAATAGTACAAGAAGCTCTTTCTGCCAGTGGAGTCTCTCAAGTGACC
 TCTCAGCAATTGCAACTACCATAAAACCAGGACTTGCTTTAAGCCTGGGAGTGGGCTTAT
 CATTTAGCTTACAGCTGGTAGGACAGTTAAAAAGCCATTTCATCCCATTCATCATATGG
 AGGCTCATGCACTTACTATTAGGTTGACCAATAAAGTAGAATTTCTTTTTTGTCTTTT
 TGATTTCTGGAGTCACTGTCTGTTGGCATTAGTTCAAGGAGTTTCAGATTTTCTGCTTC
 TTGGAAAGTCTTTGGACATAGCACCAGGTGACATGCTTGACAAGGTGGCAAGAAAGACTT
 CTTTATAAAACATCCAGAGTGTCCACCATGAGTGGTGGGAAAGCATAGAACATTTGGC
 CAAACAGGAAATAGATTTTCATTTTACATCAAACCTCCCTGCATCATGCTAAAAATGTG
 ATTTTTCTTTACTGGACTTCAAACGTTACTGA

Restriction Sites:	Please inquire
ACCN:	BC011904
Insert Size:	1917 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:	<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:	BC011904.2 , AAH11904.1
RefSeq Size:	1908 bp
Locus ID:	64172
Cytogenetics:	2q32.2
Protein Families:	Druggable Genome, Protease
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]