

Product datasheet for **RR204738**

Oxsr1 (NM_001108194) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxsr1 (NM_001108194) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxsr1
Synonyms:	Osr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204738 representing NM_001108194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAGGACTCGAGCGCCCTGCCCTGGTCCATCAACAGGGACGACTACGAGCTCGAGGAGGTGATCG
 GGAGTGGAGCAACTGCTGTGGTCCAAGCAGCTTACTGTGCCCAAAAAGGAGAGAGTGGCAATCAAACG
 GATAAACCTGGAGAAGTGTGACAGCAGCATGGATGAGCTCCTGAAAGAAATCCAAGCTATGAGTCAATGC
 CATCATCCTAACATTGTGTCTTACTACACATCCTTTGTGGTAAAAGATGAGCTGTGGCTGGTCATGAAGC
 TGCTAAGTGGAGGTTCCGTTCTGGATATTATAAACACATTGTGGCAAAGGGGAACATAAGGGCGGAGT
 TTTGGATGAGTCGACCATCGCTACAATCCTCCGAGAAGTCTTAGAAGGACTGGAGTACCTGCACAAGAAC
 GGGCAGATCCACAGAGATGTAAAGCTGGGAACATTCTCTAGGAGAAGACGGCTCTGTGCAGATTGCAG
 ATTTCCGGTGTAGTGCTTTTTAGCCACTGGTGGTGACATTACCAGAAATAAGTAAGAAAGACGTTTGT
 TGGCACCCCGTGGATGGCACCTGAAGTTATGGAGCAGGTTGAGGTTATGATTTTAAAGCTGATATC
 TGGAGTTTTGGAATCACAGCGATTGAACTAGCCACAGGGCAGCTCCTTATCATAAATATCTCCAATGA
 AGGTTTTAATGCTGACACTCCAGAACGATCCTCCTTCTTTGGTACTGGTGTCAAGATAAAGAAATGCT
 GAAAAATATGAAAAATCATTTAGAAAAATGATTTTATTGTGCCTTCAAAGGATCCAGAAAAAGACCA
 ACAGCAGCAGAACTGTTGAGGCACAAGTTTTCCAGAAGGCAAAGATAAAGAAATTTCTTCAAGAAAAA
 TACTACAGAGAGCACCTACCATCTCTGAAAGATCTAAAAGGTCGGAGAGTGCCCGGCTCCAGCGGCCG
 TCTCCATAAGACAGAGGATGGAGGCTGGGAGTGGAGCGACGATGAGTTTGGATGAGGAGAGCGAGGAAGG
 AAAGTGCAGTTTCTCAGCTCAGGTCCTCCCGAGTAAAAGACTCATTGTCAAATTTCTGAGCTCTTCTCGG
 CCGCTGATCCCATGGGGACTTTGCTTCAAGTTCAGAACAAATTTCTGCACATCTACCTCAGCCAGCTAG
 CCAGATGCCACACAGCCAGCTCAAGTCTCTCTGCCCCCTGCAGAGCCAGCAAAGCCAGCACAGGCT
 CGATCTTCAGGAGAGCGGTCCCAGGAGACCAAGGTCCTATCAGTCTAGTGCTAAGATTAAGGAATTCCA
 AAAAGAATAAATGATATTCGATTTGAATTTACTCCTGGGAGAGATACAGCAGAGGGTGTTTCTCAGGA
 GCTCATTCTGTGCCTGGTCGACGGAAGGATTTAGTGATAGTGGCAGCTAATTTGCAGAAAATTTGTG
 GAAGAACCTCAGTCAAATCGATCTGTCACTTTCAAAGTGGCATCTGGTGTGAAGGCTCGGATATTCCTG
 ATGATGGCAAATGATAGGATTTGCCAGCTCAGCATCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204738 representing NM_001108194
 Red=Cloning site Green=Tags(s)

MSEDSSALPWSINRDDYELQEVIGSGATAVVQAAYCAPKKERVAIKRINLEKQTSMDLLKEIQAMSQC
 HHPNIVSYYSFVVKDELWLVKLLSGGSVLDIIKHIVAKGEHKGGVLDSTIATILREVLEGLYLHKN
 GQIHRDVKAGNILLGEDGSVQIADFGVSAFLATGGDITRNKVRKTFVGTPCWMAPEVMEQVRGYDFKADI
 WSGITAIELATGAAPYHKYPPMKVLMMLTLQNDPPSLDTGVQDKEMKKYKGSFRKMSLCLQKDPEKRP
 TAAELLRHKFFQKAKNKEFLQEKILQRAPTISSRSKVVRRVPGSSGRLHKTEDGGWEWSDEFDEESEEG
 KAAISQLRSPRVKDSLNSSELSAADPMGTLLQVPEQISAHLPQPASQMPTQPAQVSLPPAEPAPKPAQA
 RSSGERSQETKVPISLVLRRLNSKELNDRIFEFTPGRDTEAGVVSQELISAGLVDRDLVIVAANLQKIV
 EEPQSNRSVTFKLASGVEGSDIPDDGKLIGFAQLSIS

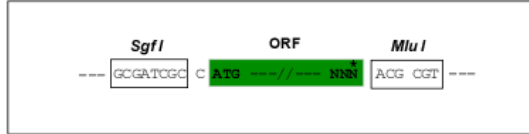
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

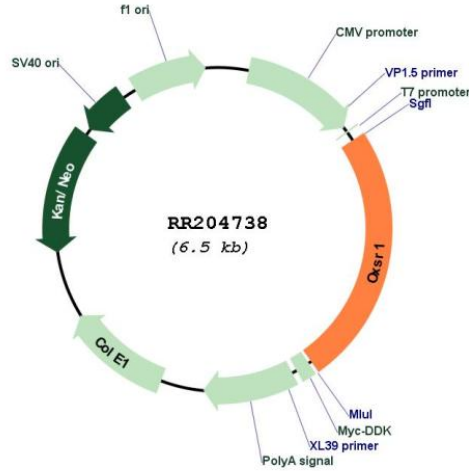
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001108194
ORF Size:	1581 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001108194.1 , NP_001101664.1
RefSeq Size:	4525 bp
RefSeq ORF:	1584 bp
Locus ID:	316064
Cytogenetics:	8q32
MW:	58.2 kDa