

## Product datasheet for **MR208451**

### **Oxsr1 (NM\_133985) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Oxsr1 (NM_133985) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxsr1
Synonyms:	2210022N24Rik; 2810422B09Rik; AI462649; AW209236; mKIAA1101; Osr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208451 representing NM\_133985  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGAGGACTCGAGCGCCCTGCCCTGGTCCATCAACAGGGACGACTACGAGCTCGAGGAGGTGATAG  
 GGAGTGGAGCAACTGCCGTGGTCCAAGCAGCTTACTGTGCCCAAAAAGGAGAGAGTGGCGATCAAGCG  
 GATAAACCTGGAGAAGTGTGAGACCAGCATGGATGAGCTCCTGAAAGAAATCCAGGCCATGAGCCATGC  
 CATCATCCTAACATTGTGTCTTACTACACATCTTTTGGTAAAGGATGAGCTGTGGCTCGTCATGAAGC  
 TGCTAAGTGGAGTTCTGTTCTGGATATTATAACACATTGTGGCAAAGGGGAACATAAGAGTGGAGT  
 TCTGGACGAGCCAACATTGCTACAATCTCCGAGAAGTCTTAGAAGGACTGGAGTACCTGCATAAAGAT  
 GGGCAGATTCACAGAGATGTAAAGCTGAAACATTCTTCTAGGAGAAGACGGCTCTGTGCAGATTGCAG  
 ATTTTCGGCGTCAGTGCTTTTTAGCCACTGGTGGTGACATTACCAGAAATAAAGTGAGAAAAACGTTTGT  
 TGGCACCCCGTGGATGGCACCCGAAGTTATGGAGCAGGTTGAGGTTATGATTTTAAAGCTGATATT  
 TGGAGTTTTGGAATCACTGCGATTGAACTGGCCACAGGGCAGCTCCTTATCATAAATATCCACCAATGA  
 AGGTTTTAATGCTGACGCTCCAGAATGATCCTCCTTCTTTGAAAAGTGGTGTCAAGATAAAGAAATGCT  
 GAAGAAATATGAAAAATCATTTAGAAAAATGATTTTATTGTCCTTCAAAGGATCCAGAAAAAAGGCCA  
 ACAGCAGCAGAACTGTTGAGGCACAAAATTTTCCAGAAAGCAAAGATAAAGAAATTTCTTCAAGAAAAA  
 TACTCCAGAGAGCACCTACCATTTCTGAAAGATCTAAAAGGTCGCGAGAGTCCCGGCTCCAGTGGCCG  
 TCTCCATAAGACAGAGGACGGAGGCTGGGAGTGGAGTGACGATGAGTTTGGATGAGGAGAGCGAGGAAGG  
 AGAGTGCATTTCTCAGCTGAGGTCTCCCGAGTAAAAGACTCATTATCCAGTTCTGAGCTCTTCGCGG  
 CAGCTGAGCCCATGGGGACTTTGCTTCAAGTTCAGAACAGATTCTGCTCATCTACCTCAGCCAGCTGG  
 CCAGATGCCACACAGCCAGCTCAAGTCTCTCTGCCCCCTGCAGAGCCAGCAAAACCAGCACAGGCT  
 CAGTCTTCAGGAGAACGGTCCCAGGAGACCAAGATCCCTATCAGTCTAGTGCTAAGATTAAGGAATTCCA  
 AAAAAAGAACTAAATGATATTCGATTTGAATTTACTCCTGGGAGAGATACAGCAGAGGGTGTTTCTCAGGA  
 GCTCATTCTGCTGGCTGGTTGATGGAAGGGATTTAGTAATAGTGGCAGCCAATCTGCAGAAGATTGTG  
 GAAGAACCTCAGTCAAACCGATCTGCTACTTTCAAAGTGGCATCTGGTGTGAAGGCTCGGATATTCCTG  
 ATGATGGCAAAGTATAGGATTTGCCAGCTCAGCATCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208451 representing NM\_133985  
 Red=Cloning site Green=Tags(s)

MSEDSSALPWSINRDDYELQEVI GSGATAVVQAAYCAPKKERVAIKRINLEKQTSMDLLEKEIQAMSQC  
 HHPNIVSYYSFVVKDELWLVKLLSGGSVLDI IKHIVAKGEHKSGLVDEPTIATILREVLEGLYLHKN  
 GQIHRDVKAGNILLGEDGSVQIADFGVSAFLATGGDITRNKVRKTFVGTPCWMAPEVMEQVRGYDFKADI  
 WSFGITAIELATGAAPYHKYPPMKVLM LTLQNDPPSLETGVQDKEMLKKYGKSFVKMISLCLQKDPKRP  
 TAAELLRHKFFQKAKNKEFLQEKILQRAPTISERSKKVRRVPGSSGRLHKTEDGGWEWSDDEFDEESEEG  
 RAAISQLRSPRVKDSLSSSELF AAAEPMGTL LQVPEQISAHLPQAGQMPTQPAQVSLPPAEPKPAQA  
 QSSGERSQETKIPIISLVLRLRNSKKELNDIRFEFTPGRDTAEGVQSQELISAGLVDGRDLVIVAANLQKIV  
 EEPQSNRSVTFKLASGVEGSDIPDDGKLI GFAQLSIS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_133985

**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:**

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\\_133985.2](#), [NP\\_598746.2](#)

**RefSeq Size:** 1921 bp

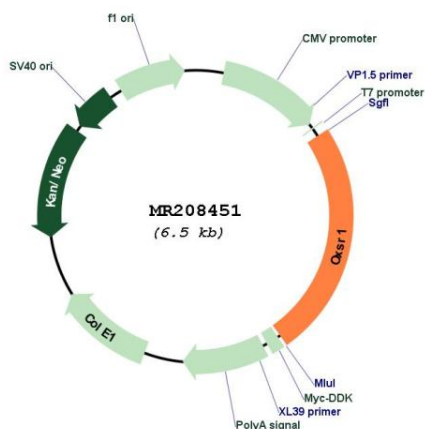
**RefSeq ORF:** 1584 bp

**Locus ID:** 108737

**UniProt ID:** [Q6P9R2](#)

**Cytogenetics:** 9 F3  
**MW:** 58.7 kDa  
**Gene Summary:** Phosphorylates RELL1, RELL2, RELT and PAK1. Phosphorylates PLSCR1 in the presence of RELT.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208451