

Product datasheet for **MG208451**

Oxsr1 (BC060645) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxsr1 (BC060645) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Oxsr1
Synonyms:	2210022N24Rik; 2810422B09Rik; AI462649; AW209236; mKIAA1101; Osr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208451 representing BC060645
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAGGACTCGAGCGCCCTGCCCTGGTCCATCAACAGGGACGACTACGAGCTCGAGGAGGTGATAG
 GGAGTGGAGCAACTGCCGTGGTCCAAGCAGCTTACTGTGCCCAAAAAGGAGAGAGTGGCGATCAAGCG
 GATAAACCTGGAGAAGTGTGAGACCAGCATGGATGAGCTCCTGAAAGAAATCCAGGCCATGAGCCATGC
 CATCATCCTAACATTGTGTCTTACTACACATCTTTTGGTAAAGGATGAGCTGTGGCTCGTCATGAAGC
 TGCTAAGTGGAGTTCTGTTCTGGATATTATAACACATTGTGGCAAAGGGGAACATAAGAGTGGAGT
 TCTGGACGAGCCAACATTGCTACAATCTCCGAGAAGTCTTAGAAGGACTGGAGTACCTGCATAAAGAT
 GGGCAGATTCACAGAGATGTAAAGCTGGAACATTCTTCTAGGAGAAGACGGCTCTGTGCAGATTGCAG
 ATTTTCGGCGTCAGTGCTTTTTAGCCACTGGTGGTGACATTACCAGAAATAAAGTGAGAAAAACGTTTGT
 TGGCACCCCGTGGATGGCACCCGAAGTTATGGAGCAGGTTGAGGTTATGATTTTAAAGCTGATATT
 TGGAGTTTTGGAATCACTGCGATTGAACTGGCCACAGGGCAGCTCCTTATCATAAATATCCACCAATGA
 AGGTTTTAATGCTGACGCTCCAGAATGATCCTCCTTCTTTGAAAAGTGGTGTCAAGATAAAGAAATGCT
 GAAGAAATATGAAAAATCATTTAGAAAAATGATTTTATTGTGCCCTCAAAGGATCCAGAAAAAAGGCCA
 ACAGCAGCAGAACTGTTGAGGCACAAAATTTTCCAGAAAGCAAAGATAAAGAAATTTCTCAAGAAAAA
 TACTCCAGAGAGCACCTACCATTTCTGAAAGATCTAAAAGGTCGCGAGAGTCCCGGCTCCAGTGGCCG
 TCTCCATAAGACAGAGGACGGAGGCTGGGAGTGGAGTGACGATGAGTTTATGATGAGGAGAGCGAGGAAGG
 AGAGCTGCCATTTCTCAGCTGAGGTCTCCCGAGTAAAAGACTCATTATCCAGTTCTGAGCTCTTCGCGG
 CAGCTGAGCCCATGGGGACTTTGCTTCAAGTTCAGAACAGATTCTGCTCATCTACCTCAGCCAGCTGG
 CCAGATGCCACACAGCCAGCTCAAGTCTCTCTGCCCCCTGCAGAGCCAGCAAAACCAGCACAGGCT
 CAGTCTTCAGGAGAACGGTCCCAGGAGACCAAGATCCCTATCAGTCTAGTGCTAAGATTAAGGAATTCCA
 AAAAGAATAAATGATATTCGATTTGAATTTACTCCTGGGAGAGATACAGCAGAGGGTGTCTTCAGGA
 GCTCATTCTGCTGGCTGGTTGATGGAAGGGATTTAGTAATAGTGGCAGCCAATCTGCAGAAGATTGTG
 GAAGAACCTCAGTCAAACCGATCTGCTACTTTCAAAGTGGCATCTGGTGTGAAGGCTCGGATATTCCTG
 ATGATGGCAAAGTATAGGATTTGCCAGCTCAGCATCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208451 representing BC060645
 Red=Cloning site Green=Tags(s)

MSEDSSALPWSINRDDYELQEVIKSGATAVVQAAYCAPKKERVAIKRINLEKQTSMDLLEKEIQAMSQC
 HHPNIVSYTFSFVVKDELWLVKLLSGGSVLDIHKHIVAKGEHKSGVLDIATILREVLEGLYLHKN
 GQIHRDVKAGNILLGEDGSVQIADFGVSAFLATGGDITRNKVRKTFVGTPCWMAPEVMEQVRGYDFKADI
 WSGFITAIELATGAAPYHKYPPMKVLMMLTLQNDPPSLETGVQDKEMLKKYKGSFRKMISLCLQKDPEKRP
 TAAELLRHKFFQKAKNKEFLQEKILQRAPTISERSKKVRRVPGSSGRLHKTEDGGWEWSDFDEESEEG
 RAAISQLRSPRVKDSLSSSELFAAAEPMTLLQVPEQISAHLPQAGQMPTQPAQVSLPPAEPAPAKPAQA
 QSSGERSQETKIPISLVLRRLNSKKEKLNDRFETPGRDTEAGVSEQELISAGLVDRDLVIVAANLQKIV
 EEPQSNRSVTFKLASGVEGSDIPDDGKLGFAQLSIS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	BC060645
ORF Size:	1583 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:	BC060645 , AAH60645
RefSeq Size:	4662 bp
RefSeq ORF:	1583 bp
Locus ID:	108737
Cytogenetics:	9 F3
Gene Summary:	Phosphorylates RELL1, RELL2, RELT and PAK1. Phosphorylates PLSCR1 in the presence of RELT.[UniProtKB/Swiss-Prot Function]