

## Product datasheet for **SC324264**

### OSR2 (NM\_053001) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OSR2 (NM_053001) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_053001.1  
 GCGGGCGGGGACGGAGCTCGGCGTGCTTGTCTGCTGGAGGGTGATGGCCCTGCAAGGCTGT  
 GGGCTCCGACCTACCGGGAGTCGACAGCGAGAGGTTCCGCCAAGAGCGAGGTTCTGGGC  
 GAGCGCTGAACGCCGGCCCAAGCACCCCGGTCTTTACACAGTCCGCGTCCACAGACTC  
 TGACGAAGACGTGGATCTGCTCTCGCTTAGCTGCTCGCGGTCTCCAGATCATGTCCGC  
 GACTCTGCGACTCCGCGGAAAAAAGTTTCCAGGCGTGGACTCAATGACCTTTCT  
 AAGCTGTGCGCCTCGCTGCCTGGACCGGTCTGAGCGCGGCTGCCAGGTTGACCTTTCT  
 GCGGGAGGGCTTTCTCTACGTGCTGTTGTCTCACTGGGTTTTTGTGCGAGCCCCACGCC  
 TCCGGCCTCTGATTCTGGAAGAAAGGGTTGGTCCCTCAGCACCCCCAGCATCCCGGAA  
 AATGGGGAGCAAGGCTCTGCCAGCGCCATCCCGCTCCACCCGTCGCTGCAGCTACCAA  
 TTACTCCTTCTGCAGGCCGTGAACACCTTCCCGCCACGGTGGACCACCTGCAGGGCCT  
 GTACGGTCTCAGCGCGGTACAGACCATGCACATGAACCACTGGACGCTGGGGTATCCCAA  
 TGTGCACGAGATACCCGCTCCACCATCACGGAGATGGCGGCGGCAGGGCCTCGTGA  
 CGCGCGCTTCCCCTTCCCGGCCCTGCCTTTTACCACCCACCTATCCACCCCAAGCAGGG  
 GGCATTGCCAGTCTCCAGCCCTGCACAAGGACCGCCCGTTTTGACTTTGCCAA  
 TTTGGCGGTGGCTGCCACGCAAGAGGATCCGCCTAAGATGGGAGACCTGAGCAAGCTGAG  
 CCCAGGACTGGGTAGCCCATCTCGGGCCTCAGTAAATTGACTCCGGACAGAAAGCCCTC  
 TCGAGGAAGGTTGCCCTCCAAAACGAAAAAGAGTTTATCTGCAAGTTTTGCGGCAGACA  
 CTTTACCAAACTCTACAATTTGCTCATCCATGAGAGGACCCACACGGACGAGAGGCCGTA  
 CACGTGTGACATCTGCCACAAGGCCCTCCGGAGGCAAGATCACCTGCGGGATCACAGATA  
 CATCCATTCCAAAGAAAAACCTTCAAATGTCAGGAGTGTGGGAAAGGATTTTGTGAGTC  
 TAGAACTCTAGCAGTTTCAAAAACCTTTACACATGCAGACATCAAGCCCTACAGCTGCGAG  
 CAGTGCAGCAAGTGTTCAGGCGAAACTGTGATCTGCGGCGGCACAGCCCTGACTCACACC  
 CCGCGGCAGGACTTCTAGAGAAGCCAGGATCTGTCCCGTGCCGCGCTGCTCCCCTCCC  
 CAGACACCTCTCCACGTCTCTACCCAGGGGTGCGATCCCTAGCCCTTCACTGACCCCA  
 GCTCTTCCCTTGTGAGCCGACCTGCAGCTCCAGGGAGTAACTCTTCTTCTGGGGGA  
 CTGAGAACTGTAGAAAGCCACACTACTACATCCCTTCAAAAGAGTATATGCTAGTTT  
 CTTGTAGATATTCACAGCTCATTTTAGAGCTCTGTACATAATGTTGTGGGCTTTTGT  
 GTTGTGTTTGTGTTGCTTTGGGATCTTGTGGATGCACTTAGATATGAAAAATGGAAGCCAA  
 ATTTTATCTTTAAAGACTGTATTTTCAAATAAAAACCTTTTCTTGTGTTTCAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_053001

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_053001.1](#), [NP\\_443727.1](#)

**RefSeq Size:** 1759 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 116039

**UniProt ID:** [Q8N2R0](#)

**Cytogenetics:** 8q22.2

**Domains:** zf-C2H2

**Gene Summary:** OSR2 is a mammalian homolog of the Drosophila odd-skipped family of transcription factors (Lan et al., 2004 [PubMed 15175245]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform b) has a shorter N-terminus and a distinct C-terminus compared to isoform c.