

Product datasheet for **SC325755**

OSR2 (NM_001142462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSR2 (NM_001142462) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325755 representing NM_001142462. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGGGAGCAAGGCTCTGCCAGCGCCCATCCCGCTCCACCCGTCGCTGCAGCTCACCAATTACTCCTTC
CTGCAGGCCGTGAACACCTTCCCGGCCACGGTGGACCCTGCAGGGCCTGTACGGTCTCAGCGCGGTA
CAGACCATGCACATGAACCACTGGACGCTGGGGTATCCCAATGTGCACGAGATCACCCGCTCCACCATC
ACGGAGATGGCGGCGCGCAGGGCCTCGTGGACGCGCGTTCCCTTCCCGGCCCTGCCTTTTACCACC
CACCTATTCCACCCCAAGCAGGGGGCCATTGCCACGTCCTCCAGCCCTGCACAAGGACCGGCCCGGT
TTTGACTTTGCCAATTTGGCGGTGGCTGCCACGCAAGAGGATCCGCCTAAGATGGGAGACCTGAGCAAG
CTGAGCCCAAGGACTGGGTAGCCCCATCTCGGGCCTCAGTAAATTGACTCCGGACAGAAAGCCCTCTCGA
GGAAGTTGCCCTCCAAACGAAAAAGAGTTTATCTGCAAGTTTTCGGCAGACACTTTACCAATCC
TACAATTTGCTCATCCATGAGAGGACCCACACGGACGAGAGGCCGTACACGTGTGACATCTGCCACAAG
GCCTTCCGGAGGCAAGATCACCTGCGGGATCACAGATACATCCATTCCAAAGAAAAACCCTTCAAATGT
CAGGAGTGTGGGAAAGGATTTTGTAGTCTAGAACTCTAGCAGTTCACAAAACCTTACACATGCAGGAA
TCTCCACACAAATGTCCACATGTGGAAGAACCTTTAATCAGAGAAGTAATCTGAAAACCTACCTTCTC
ACCCATACAGACATCAAGCCCTACAGCTGCGAGCAGTGGGCAAAGTGTTCAGGCGAAACTGTGATCTG
CGGCGGCACAGCCTGACTCACACCCGCGGCAGGACTTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001142462
Insert Size:	939 bp


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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:	<u>NM_001142462.2</u>
RefSeq Size:	1877 bp
RefSeq ORF:	939 bp
Locus ID:	116039
UniProt ID:	<u>Q8N2R0</u>
Cytogenetics:	8q22.2
MW:	35.5 kDa
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 (1) differs in the 5' UTR and 5' coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (a) with a shorter N-terminus, compared to isoform c.