

Product datasheet for **RG204502**

OSR2 (NM_053001) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSR2 (NM_053001) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204502 representing NM_053001 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGCAAGGCTCTGCCAGCGCCCATCCCGCTCCACCCGTCGCTGCAGCTCACCAATTACTCCTTCC
TGCAGGCCGTGAACACCTTCCCGCCACGGTGGACCACCTGCAGGGCCTGTACGGTCTCAGCGCGGTACA
GACCATGCACATGAACCACTGGACGCTGGGTATCCCAATGTGCACGAGATCACCCGCTCCACCATCACG
GAGATGGCGGCGGCGCAGGGCCTCGTGGACGCGCGCTTCCCTTCCCGGCCCTGCCTTTTACCACCCACC
TATTCCACCCCAAGCAGGGGGCCATTGCCACGTCCTCCAGCCCTGCACAAGGACCGGCCCGTTTGA
CTTTGCCAATTTGGCGGTGGCTGCCACGCAAGAGGATCCGCTAAGATGGGAGACCTGAGCAAGCTGAGC
CCAGGACTGGGTAGCCCATCTCGGGCCTCAGTAAATTGACTCCGGACAGAAAGCCCTCTCGAGGAAGGT
TGCCCTCCAAAACGAAAAAGAGTTTATCTGCAAGTTTTGCGGCAGACACTTTACCAATCCTACAATTT
GCTCATCCATGAGAGGACCCACACGGACGAGAGGCCGTACACGTGTGACATCTGCCACAAGGCCTTCCGG
AGGCAAGATCACCTGCGGGATCACAGATACATCCATTCCAAAGAAAAACCTTCAAATGTCAGGAGTGTG
GGAAAGGATTTTGTGAGTCTAGAACTCTAGCAGTTCACAAAACCTTACACATGCAGACATCAAGCCCTAC
AGCTGCGAGCAGTGGCGCAAAGTGTTCAGGCGAAACTGTGATCTGCGGCGGCACAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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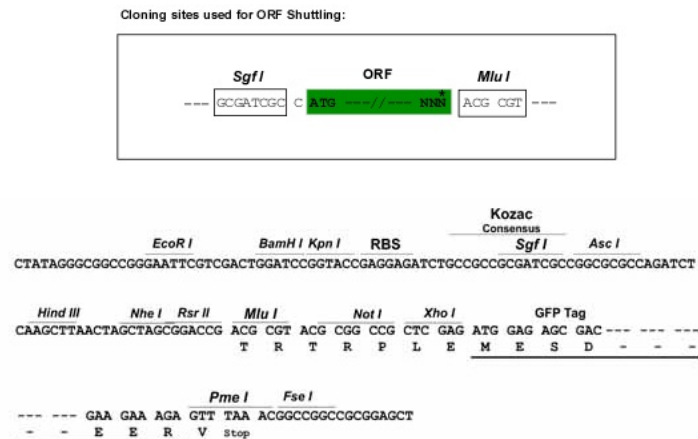
Protein Sequence: >RG204502 representing NM_053001
 Red=Cloning site Green=Tags(s)

MGSKALPAPIPLHPSLQLTNYSFLQAVNTFPATVDHLQGLYGLSAVQTMHMHWTLGYPNVHEITRSTIT
 EMAAAQGLVDARFPFPALPFTTHLFHPKQGAIAHVLPALHKDRPRDFANLAVAATQEDPPKMGDLSKLS
 PGLGSPISGLSKLTPDRKPSRGRLPSKTKKEFICKFCGRHFTKSYNLLIHERTHTDERPYTCDICHKAFR
 RQDHLRDHRYIHSKEKPFKCQECGKGFCSRTLAVHKTLMQTSSPTAASSAAKCSGETVICGGTA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053001

ORF Size: 828 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_053001.3](#)

RefSeq Size: 1759 bp

RefSeq ORF: 831 bp

Locus ID: 116039

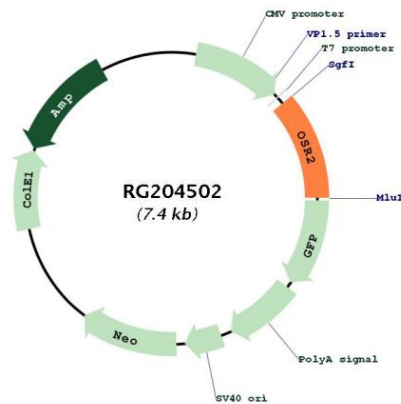
UniProt ID: [Q8N2R0](#)

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]

Product images:



Circular map for RG204502