

## Product datasheet for **RG204541**

### OSBPL3 (NM\_015550) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | OSBPL3 (NM_015550) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | OSBPL3                                    |
| Synonyms:                 | ORP-3; ORP3; OSBP3                        |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>RG204541 representing NM\_015550  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGAGTGATGAGAAGAACCTTGGTGTGCCAAAAATTTGGTATCACCTTCAAGGAGCACAAGTAGCT  
 GCTCTTCCAAGCAAGGAAGTCGACAGGACAGCTGGGAAGTGGTGAAGGACTGAGGGGGAGATGAATTA  
 CACCCAGGAGCCACAGTTCAGAAAGGATTTTTGCTGAAAAAGAGGAAGTGGCCCTTAAAAGGCTGGCAT  
 AAGAGATTCTTCTATCTGGACAAAGGAATCTTGAATATGCCAAGAGCCAAACCGATATAGAGAGAGAGA  
 AGCTGCATGGCTGCATTGATGTCGGGCTCTCAGTGATGCTGTAAAGAAGTCATCAAAATGCATAGACCT  
 TGACACCGAGGAGCACATCTACCATCTGAAGTCAAGTCAGAAGAAGTCTTTGATGAGTGGGTATCGAAA  
 CTTGCCACCACAGAATGTATCGTCAGAATGAAATGGCCATGTTCCACATGAAGTTAACCACTTTTTCT  
 CAGGGTCCACCATCACAGACTCTTCATCTGGGGTGTGGACTCCATTTCAAGTAGGAAGCGTAGCAGTAT  
 ATCAAAGCAGAATTTATTTCAAAGTGAAGCAATGTATCATTTTTCTTGTGGTGGTGAACACGAGTTCCA  
 TTATGGTTACAGTCTTCAGAGGACATGGAAAAATGCTCCAAAGACCTGGCGCACTGTCATGCCTACCTGG  
 TAGAAATGAGCCAGCTCCTGCAAAGCATGGACGCTCCTGCATCGGACATACTCAGCACCAGCTATCAACGC  
 CATCCAGGGTGGATCTTTTAAAAGTCCCAAAAAGGAAAAAGATCGCACAGGAGGTGGCGGTCCAGAGCT  
 ATTGGCAAAGATGCTAAAGGAACACTGCAGGTCCCGAAACCTTTTTCTGGCCAGTAAGACTACACTCCT  
 CCAATCCTAATTTGTCAACACTAGATTTTGGAGAAGAGAAAAATTATTCTGATGGCTCTGAAACCTCATC  
 AGAGTTTTCTAAAATGCAAGAAGATCTGTGTCATATTGCCATAAAGTTTACTTCACTTTAAGTTCAGCT  
 TTTAATATCATGTCAGCGGAGAGAGAAAACTGAAGCAGCTGATGGAGCAGGATGCCTCCTCCTCCCGT  
 CTGCTCAGGTCAATGGTCTGAAGAACGCCCTGTATCCGCCCTAGCACAAAACACAGATTTAAAGAAGC  
 CTTACGCAGAATCCATGCCGAGTCTGTCTCCTCGACTCCCGCTGTGCGCAAGTCCGGGTGACAATCTG  
 GCAGAGGAAAACTCCAGAGATGAAAACCGAGCTCTAGTTCATCAGCTTTCTAATGAAAGTAGACTCTCCA  
 TCACTGACTCCCTTTCTGAGTTTTTGGTGTGCTCAGGAAGTCTGTATCTCCAAGCTCTTCAGAAAAAGCA  
 GATTTCTGATGATGACTCATATGTCAGTGACATAAGTGATAATCTTCTTAGATAATCTCAGTAATGAT  
 TTAGATAATGAGAGACAGACCTTGGGGCTGTCTTGTAGTGGTCCGGAAGCGAAGTCCCGGAGAAGAA  
 CGTGCCTGCCGGCGCCCTGCCGAGCAGCAGTAACATCAGCCTGTGGAACATCCTGAGGAACAACATCGG  
 GAAGGACCTGTCCAAGGTGGCCATGCCGGTGGAGCTGAACGAGCCCTGAACACGCTGCAGAGGCTCTGC  
 GAGGAGCTGGAGTACAGCGAGCTCCTGGACAAGGCCGCGCAGATCCCAGCCCCCTGAAAGGATGGTAT  
 ATGTGGCAGCCTTTGCCATATCAGCGTATGCATCTAGCTACTACCGAGCTGGAAGCAAGCCATTTAATCC  
 GTTTCTTGAGAAACATATGAATGTATTCGGGAGGACAAGGGCTTCCAGTTTTTTTTCAGAACAGGTGAGC  
 CACCATCCGCCTATCTCTGCGTGTGATGCTGAGTCTAGAAATTTGTTTTCTGGCAAAGTGTGAGATGGA  
 AAAACAAATCTGGGGCAAATCCATGGAATTTGTTCCAATGGCACAACCCATGTGACTCTGCCAGTTTTT  
 TGGGGATCATTTTGGAGTGAACAAAGTGACCTCTTGCATCCATAACATCTTAAGCGGGCAGAGGTGGATT  
 GAGCACTATGGAGAGATTGTCATCAAGAACCTGCATGATGATTCTGCTACTGCAAAGTGAATTTTATAA  
 AGGCAAAATCTGGAGCACTAATGCCATGAGATTGAAGGCACAGTGTGGACAGGAGTGGAAAAGCGGT  
 TCATCGGCTGTTTGGGAAATGGCATGAAAGCATCTACTGTGGCGCGGCTCCTCTTCTGCCTGTGTATGG  
 AGAGCAAATCCTATGCCGAAAGGCTACGAGCAATACTATAGCTTACACAGTTTGCCTGGAATTAATG  
 AAATGGATCCATCATCAAAGTCTTTATTGCCACCTACTGACACTCGATTTAGCCAGACCAGAGGTTTTCT  
 AGAGGAAGGGAACCTAGAAGAAGCTGAAATACAAAAGCAGAGGATTGAACAACCTGCAGAGAGAAAGCGG  
 CGGGTCTTAGAAGAAAATCATGTGGAGCACCAGCCTCGGTTTTTTCAGGAAATCCGACGATGACTCTTGGG  
 TGAGCAACGGCACCTATTTGGAACCTAGAAAAGATCTTGGTTTTTCCAAACTGGACCATCCTGTCTATG  
 G

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - **GTTTAA**

**Protein Sequence:** >RG204541 representing NM\_015550  
 Red=Cloning site Green=Tags(s)

MMSDEKNLGVSQKLVSPSRSTSSCSSKQGSRQDSWEVVEGLRGEMNYTQEPVQKGFLLKKRKWPLKGWH  
 KRFFYLKDGILKYAKSQTDIEREKLHGCIDVGLSVMSVKKSSKCIDLDTEEHIYHLKVKSEEVFDEWVSK  
 LRHHRMYRQNEIAMFPHEVNHFFSGSTITDSSSGVFDSISSRKRSISIKQNLFTGNSVFS SCGGETRVP  
 LWLQSSSEMEKCSKDLAHCHAYLVEMSQLLQSMVDLHRTYSAPAINAIQGGSFESPKKEKRSHRRWRSRA  
 IGKDAKGTLQVPPKPSGPVRLHSSNPNLSTLDFGEEKNYSDGSETSEFSKMQEDLCHIAHKVYFTLRSA  
 FNIMSAEREKLLQMLEQDASSPSAQVIGLKNALSSALAQNTDLKERLRRIHAESLLLDSPAVAKSGDNL  
 AEENSRDENRALVHQLSNESRLSITDSLSEFFDAQEVLLSPSSSENEISDDDSYVSDISDNLSDNLSDN  
 LDNERQTLGPVLDGREAKSRRRTCLPAPCPSSNISLWNILRNNIGKDLKVPVAMPVELNEPLNTLQRLC  
 EELYESELLDKAAQIPSPLERMVYVAFAISAYASSYRAGSKPFNPVLGETYECIREDKGFQFFSEQVS  
 HHPPI SACHAESRNFVWQDVRWKNKFWGKSMEIVPIGTTHTVTLPVFGDFEWNKVTSCIHNILSGQRWI  
 EHYGEIVIKNLHDDSCYCKVNF IKAKYWTNAHEIEGTVFDRSGKAVHRLFGKWHEIYCGGSSSACVW  
 RANPMPKGYEQYSFTQFALELNEMDPSSKSLLPPTDTRFRPDQRFLEEGNLEEAEIQKQRIEQLQRERR  
 RVLEENHVEHQPRFFRKSDDDSWVSNGTYLELRKDLGFSKLDHPVLW

TRTRPLE - GFP Tag - V

**Restriction Sites:**

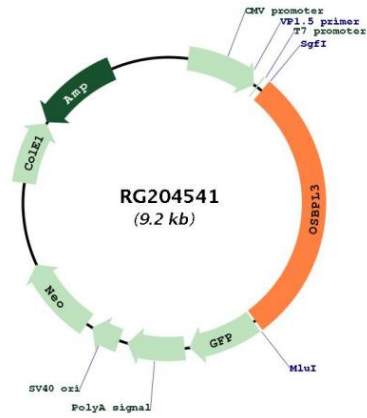
SgfI-MluI

**Cloning Scheme:**



|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_015550   |
| <b>ORF Size:</b>              | 2661 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_015550.2</a> , <a href="#">NP_056365.1</a>   |
| <b>RefSeq Size:</b>           | 6730 bp   |
| <b>RefSeq ORF:</b>            | 2664 bp   |
| <b>Locus ID:</b>              | 26031   |
| <b>UniProt ID:</b>            | <a href="#">Q9H4L5</a>  |
| <b>Cytogenetics:</b>          | 7p15.3  |
| <b>Domains:</b>               | Oxysterol_BP, PH  |
| <b>Gene Summary:</b>          | This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. The encoded protein is involved in the regulation of cell adhesion and organization of the actin cytoskeleton. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]   |

Product images:



Circular map for RG204541