

## Product datasheet for **RG235011**

### **OSBPL6 (NM\_001201481) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	OSBPL6 (NM_001201481) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSBPL6
Synonyms:	ORP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG235011 representing NM\_001201481  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCAGATGAGAAGGGCATTTCCTGCTCATAAAACATCCACTCCAACCCATAGAAGTGCCTCCT  
 CTTCAACATCCTCCCAAAGGGACAGTAGGCAGAGTATTACATACTGGAGAGGACTGCTTCTCTAGCAC  
 CGAGCCCTCTGTAAGTCGGCAATTGCTAGAACCGGAGCCAGTCCCCCTCTCCAAGGAAGCTGACAGCTGG  
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAACCAGACAAACATGAGGGCTTTATGC  
 TGAAGAAAAGAAAATGGCCTTTAAAAGGCTGGCACAAGCGTTTTTTTTGCTCCTGGATAATGGAATGTTAAA  
 GTATTCAAAGGCACCACTCGATATTCAGAAAGGAAAGTCCATGGGAGCATAGATGTGGGACTCTCAGTC  
 ATGTCAATTAAGAAAGACTCGAAGAATAGACCTTGACACCGAAGAGCACATCTATCATTTGAAGGTGA  
 AATCCCAGGACTGGTTTGTATGCATGGGTCTCAAACCTGCGACATCATCGTTGTATCGTCAGAATGAAAT  
 TGTGAGATCACCAGAGATGCTAGTTTTACATATTTCTTCAACGTCCAGCTGAATCCTCACCAGCT  
 GCTAATGTTTCTGTAATGGATGGAAGATGCAACCAAACAGCTTTCCGTGGCAGTCCCCTTTACCATGCA  
 GCAATAGCCTCCCTGCAACGTGCACAACCTGGCCAGAGTAAAGTGGCAGCCTGGTTACAGGACTCGGAAGA  
 GATGGACAGGTGTGCAGAAGATCTGCACATTGCCAGTCAAACCTTGTGGAACCTAGCAAACCTCTGCAA  
 AATTTGAAAATACTTCAGAGAATCAGTCGGCACCTAACCTTTACTGACATGCAGGTTCTTTTCAGTGCTA  
 CCATGTCACCAGTTTCGTTGCATTCCTCCAACCCCAACCTTTGTGCAGATATTGAATTCAGACTCCCCC  
 TAGCCACCTCACTGACCTCTGGAAAGTTCAACAGATTATACAAAGCTGCAAGAAGAATTTTGTCTAATC  
 GCACAGAAAGTGCACTTCTTTTTGAAGTCTGCATTTAATAGCATAGCTATAGAGAAGGAGAAGCTGAAGC  
 AGATGGTTCCGAGCAGGATCACAGTAAAGGCCACAGCAGCATGGCAGCGCTCCGACACTGCTGTC  
 TCAGGCACTCAACCAGAATGCTGAACAAAGGAGTCGGTTGAACAGAATACATTCAGAGTCTATTATTTGT  
 GATCAGGTTGTCAGTGTAAATATTATTCCTAGCCCTGATGAGGCTGGTGAGCAAATCCATGTCAGTCTCC  
 CCTATCACAGCAAGTAGCCAATGAGAGCCGCTCTCCATGTCAGAGTCTGTTTCTGAGTCTTTTGTATGC  
 CCAAGAGGTGCTCCTCTGCAAGTTCGTGAGAGAATGAGGCTTCAGATGATGAGTCTTACATCAGTGTAT  
 GTGAGTGATAATATCTGAAGACAACACCAGTGTGCAGACAATATTTCTCGGCAAATCCTGAATGGGG  
 AGCTTACAGGAGGGCCCTCCGAAATGGGCGTCGAGCATGCCTGCCAGCTCCTTGTCTGACACCAGTAA  
 CATTAACCTGTGGAATATCTTGAGGAACAACATTGGTAAAGACCTGTCTAAAGTCTCTATGCCTGTGGAG  
 CTAACAGAGCCGCTCAACACCCTGCAGCACCTCTGTGAGGAAATGGAATACAGCGAGCTCCTGGACAAGG  
 CTTCCGAAACTGATGATCCATATGAGCGCATGGTTCTCGTTGCCGATTTGCAGTTTCAGGATACTGCTC  
 CACCTATTTTCAGAGCAGGAAGTAAAGCCATTCAACCCAGTCTTGGGGAGACTTATGAATGCATTAGAGAA  
 GACAAGGGATTCCGCTTTTTCTCAGAACAGGTTAGCCATCATCCACCATTTCTGCCTGTCACTGTGAAT  
 CAAAGAATTTTGTGTTTTGGCAAGATATCAGATGGAAAAACAAGTTCTGGGGGAAGTCGATGGAAATCCT  
 GCCTGTTGGAACACTGAATGTCATGCTTCAAAGTATGGAGATTACTATGTGTGGAATAAAGTCAACCT  
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 AAAGCAGTGTTCATTTGCAAACCTCACATTTGTCAAGGTGAATATTGGAATTTAACATGAATGAAGT  
 CCAGGGGTGGTATAGATCAGGAGGGGAAGCGGTGTACCGCTGTTTTGGAAGTGGCATGAAGGACTC  
 TACTGTGGTGTGGCCCCCTCTGCAAAGTGCATTTGGAGACCAGGTTCCATGCCAACAAACTATGAGCTGT  
 ACTATGGCTTACAAGGTTTGTATTGAGCTCAATGAGTTAGATCCAGTACTAAAAGATCTCCTTCCACC  
 AACAGACGCCCGTTCCGGCCAGATCAAAGATTTTGGAGAAGGAAATTTAGAAGCTGCAGCATCAGAG  
 AAGCAAAGAGTAGAGGAATCCAGAGATCTCGGAGACGATATATGGAAGAAAACAATCTTGAACATATAC  
 CAAAATTTTTTAAAAAGTTATTGATGCCAATCAAAGAGAAGCCTGGGTTTCTAACGACACCTACTGGGA  
 GCTTCGAAAGGACCCTGGGTTTAGCAAAGTAGACAGCCCTGTTCTTTGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG235011 representing NM\_001201481  
 Red=Cloning site Green=Tags(s)

MSSDEKGISPAHKTSTPTHRASSTSSQRDSRQSIHILERTASSSTEPSVSRQLEPEPVPLSKEADSW  
 EII EGLKIGQTNVQKPKHEGFMLKRRKWPLKGWHKRFVLDNGMLKYSKAPLDIQKGVHGSIDVGLSV  
 MSIKKKARRIDLDT EEHIYHLKVKSQDWFDAVSKLRHHRLYRQNEIVRSPRDASFHIFPSTSTAESSPA  
 ANVSVMDGKMQPNSFPWQSP LPCSNSLPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQ  
 NLEILQRTQSAPNFTDMQVPFSATMSPVRLHSSNPNLCADIEFQTPPSHLTDPLESSTDYTKLQEEFCLI  
 AQKVHSL LKSAFNSIAIEKEK LKQMVSEQDHSKGHSTQMARLRQSL SQALNQNAELRSRLNRIHSEIIC  
 DQVVSVNIIPSPDEAGEQIHVSLPLSQQVANESRLSMSESVEFFDAQEVLLSASSSENEASDDESYISD  
 VSDNISEDNTSVADNISRQILNGELTGGAFRNGRRACLPAPCPDTSNINLWNILRNIGKDL SKV SMPVE  
 LNEPLNTLQHLCEEMEYSEL LDKASETDDPYERMVLAFAVSGYCSTYFRAGSKPFPNVLGETYECIRE  
 DKGFRFFSEQVSHHPPISACHCESKNFVFWQDIRWKNKFWGKSMEILPVGTLNVMLPKYGDYVWNKVT  
 CIHNILSGRRWIEHYGEVTIRNTKSSVIC KLFVKVNYWNSNMNEVQGVVIDQEGKAVYRLF GKWHEGL  
 YCGVAPS AKCIWRPGSMPTNYELYYGTRFAIELNELDPVLKDLLPPTDARFRPDQRFL EEGNLEAAASE  
 KQRVEELQR SRRRYMEENLEH I PKFFKKVIDANQREAWVSN DTYWELRKDPGFSKV D S P V L W

TRTRPLE - GFP Tag - V

**Restriction Sites:**

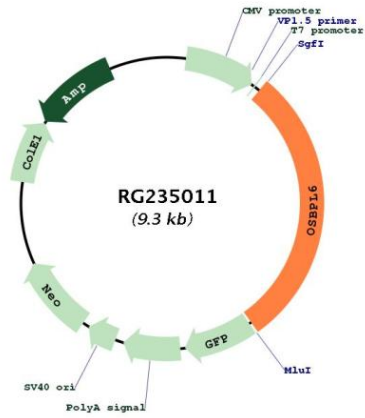
SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001201481
<b>ORF Size:</b>	2709 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_001201481.2</a>
<b>RefSeq Size:</b>	7147 bp
<b>RefSeq ORF:</b>	2712 bp
<b>Locus ID:</b>	114880
<b>UniProt ID:</b>	<a href="#">Q9BZF3</a>
<b>Cytogenetics:</b>	2q31.2
<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. Transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG235011