

## Product datasheet for **RG216041**

### OSBPL6 (NM\_145739) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | OSBPL6 (NM_145739) 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:**

>RG216041 representing NM\_145739  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCATCAGTTATCTCTGATCAGGGGAAACAGAGGGCGGAGTATTCACATACTGGAGAGGACTGCTTCTCT  
 CTAGCACCGAGCCCTCTGTAAGTCGGCAATTGCTAGAACCGGAGCCAGTCCCCCTCTCCAAGGAAGCTGA  
 CAGCTGGGAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAACCAGACAAACATGAGGGC  
 TTTATGCTGAAGAAAAGAAAATGGCCTTTAAAAGGCTGGCACAAGCGTTTTTTTTGTCTGGATAATGGAA  
 TGTTAAAGTATTCAAAGGCACCACTCGATATTCAGAAAGGAAAGTCCATGGGAGCATAGATGTGGGACT  
 CTCAGTCATGTCAATAAAAAGAAAGCTCGAAGAATAGACCTTGACACCGAAGAGCACATCTATCATTTG  
 AAGGTGAAATCCAGGACTGGTTTGTATGCATGGGTCTCCAACTGCGACATCATCGTTGTATCGTCAGA  
 ATGAAATTGTGAGATACCAAGAGATGCTAGTTTTCACATATTTCTTCAACGTCCACAGCTGAATCCTC  
 ACCAGCTGCTAATGTTTCTGTAATGGATGGAAAGATGCAACCAACAGCTTTCGGTGGCAGTCCCCTTTA  
 CCATGCAGCAATAGCCTCCCTGCAACGTGCACAACCTGGCCAGAGTAAAGTGGCAGCTGGTTACAGGACT  
 CGGAAGAGATGGACAGGTGTGCAGAAGATCTTGACATTGCCAGTCAAACCTTGTGGAACCTAGCAAACCT  
 CCTGCAAAATTTGGAAATACTTCAGAGAACTCAGTCAGCACCTAACTTTACTGACATGCAGGCTAACTGT  
 GTAGATATTTCAAAGAAAGACAAGCGGGTCACAAGACGATGGAGAACAAAAAGTGTGAGCAAAAGATACAA  
 AAATACAACTGCAGGAAGGGCCACCCGCGAAGGGCCAGTTCAGCACAACTCGGCGCCGCGCAGAGGCTAGC  
 GGCAGCAGTGGCTACAACAGTTCCTTTCAGTGTACCATGTCACCAGTTCGTTGATTCCTCCAACCCC  
 AACCTTTGTGCAGATATTGAATTCAGACTCCCCCTAGCCACCTCACTGACCCTCGGAAAGTTCAACAG  
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 AGCACGCAGATGGCACGGCTCCGACAGTCACTGTCTCAGGCACTCAACCGAATGCTGAACTAAGGAGTC  
 GGTTGAACAGAATACATTCAGAGTCTATTATTTGTGATCAGGTTGTGAGTGTAAATATTATCTAGCCC  
 TGATGAGGCTGGTGAAGAAATCCATGTCAGTCTCCCCTTATCACAGCAAGTAGCCAATGAGAGCCGCTC  
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 GTAAGAGCTGTCTAAAGTCTCTATGCCTGTGGAGCTAAACGAGCCGCTCAACACCTGCAGCACCTCTG  
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 ATGGAGATTACTATGTGTGGAATAAAGTCAACACTTGCATACACAACATCCTCAGTGGGAGAAGATGGAT  
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 GAGACCAGGTTCCATGCCAACAACTATGAGCTGTACTATGGCTTACAAGGTTTGTATTGAGCTCAAT  
 GAGTTAGATCCAGTACTAAAAGATCTCCTTCCACCAACAGACGCCGGTTCGGCCAGATCAAAGATTTT  
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 AGAGAAGCTGGGTTTCTAACGACACTACTGGGAGCTTCGAAAGGACCCTGGGTTTAGCAAAGTAGACA  
 GCCCTGTTCTTTGG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG216041 representing NM\_145739  
Red=Cloning site Green=Tags(s)

```
MHQLSLIRGNRGRSIIHLERTASSSTEPSVSRQLLEPEPVPLSKEADSWEIEGLKIGQTNVQKPKDKEG
FMLKRRKWPLKGWHKRFVLDNGMLKYSKAPLDIQKGVHGSIDVGLSVMSIKKKARRIDLDEEHYHL
KVKSQDFDQVSKLRHHRLYRQNEIVRSPRDAFHFIFPSTSTAESSPAANVSVMDGKMQPNSFPWQSPL
PCNSLDPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQNLLEILQRTQSAPNFTDMQANC
VDISKDKRVTRRWRTKSVSKDTKIQLQEGPPAKGQFSTTRRRQRLAAAVATTVPFSATMSPVRLHSSNP
NLCADIEFQTPPSHLTDPLESSTDYTKLQEEFCLIAQKVHSLKSAFNIAIEKEKPKQMVSEQDHSKGH
STQMARLRQSLSQALNQNAELRSLNRIHSESIICDQVVSVNIIPSPDEAGEQIHVSLPLSQQVANESRL
SMSESVSEFFDAQEVLLSASSSENEASDDESYISDVSDNISDNTSVADNISRQILNGELTGGAFRNGRR
ACLPAPCPDTSNINLWNILRNNIGKDLKVSMPVELNEPLNLTQHLCEEMEYSELLDKASETDDPYERMV
LVAFAVSGYCSTYFRAGSKPFNPVLGETYECIREDKGFRFFSEQVSHPPISACHCESKNFVFWQDIRW
KNKFWGKSMIEILPVGTLNVMPLKYGDYVWNVKVTTCIHNILSGRRWIEHYGEVTRIRNTKSSVICLTFV
KVNYWNSNMNEVQGVVIDQEGKAVYRLFQKWHGLYCGVAPSAKCIWRPGSMPTNYELLYGFTRFALN
ELDPVLKDLLPPTDARFRPDQRFLEEGNLEAAASEKQRVEELQRSRRRYMEENLEHIPPFFKKVIDANQ
REAWVSNPTYWELRKDPGF SKVDSPLW
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

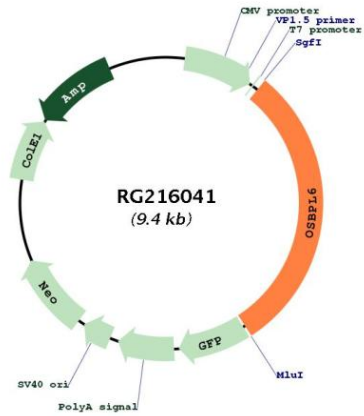


**ACCN:** NM\_145739

**ORF Size:** 2814 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.  |
| <b>RefSeq:</b>                | <a href="#">NM_145739.1</a> , <a href="#">NP_665682.1</a>   |
| <b>RefSeq Size:</b>           | 3548 bp   |
| <b>RefSeq ORF:</b>            | 2817 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 RG216041