

Product datasheet for **RG213081**

OSBPL6 (NM_032523) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | OSBPL6 (NM_032523) 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:

>RG213081 representing NM_032523
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCAGATGAGAAGGGCATTTCCTGCTCATAAAACATCCACTCCAACCCATAGAAGTGCCTCCT
 CTTCAACATCCTCCCAAAGGGACAGTAGGCAGAGTATTACATACTGGAGAGGACTGCTTCTCTAGCAC
 CGAGCCCTCTGTAAGTCCGCAATTGCTAGAACCGGAGCCAGTCCCCCTCTCCAAGGAAGCTGACAGCTGG
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAAACAGACAAACATGAGGGCTTTATGC
 TGAAGAAAAGAAAATGGCCTTTAAAAGGCTGGCACAAGCGTTTTTTTTGTCTGGATAATGGAATGTAA
 GTATTCAAAGGCACCACTCGATATTCAGAAAAGGAAAGTCCATGGGAGCATAGATGTGGGACTCTCAGTC
 ATGTCAATTAAGAAAGCTCGAAGAATAGACCTTGACACCGAAGAGCACATCTATCATTTGAAGGTGA
 AATCCCAGGACTGGTTTGTATGCATGGGTCTCAAACCTGCGACATCATCGTTGTATCGTCAGAATGAAAT
 TGTGAGATCACCAGAGATGCTAGTTTTACATATTTCTTCAACGTCCACAGCTGAATCCTCACCAGCT
 GCTAATGTTTCTGTAATGGATGGAAGATGCAACCAAACAGCTTTCCGTGGCAGTCCCCTTTACCATGCA
 GCAATAGCCTCCCTGCAACGTGCACAACCTGGCCAGAGTAAAGTGGCAGCCTGGTTACAGGACTCGGAAGA
 GATGGACAGGTGTGCAGAAGATCTTGCACATTGCCAGTCAAACCTTGTGGAACTTAGCAAACCTCTGCAA
 AATTTGGAAATACTTCAGAGAATCAGTCAGCACCTAACCTTACTGACATGCAGGCTAACGTGTAGATA
 TTTCAAAGAAAGACAAGCGGGTCAAGACGATGGAGAACAAAAGTGTGAGCAAGATACAAAAATACA
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 TCTGTTTCTGAGTCTTTGATGCCAAGAGGTGCTCCTCTGCAAGTTCGTGAGAGATGAGGCTTCAG
 ATGATGAGTCTTACATCAGTGTGAGTGAATATATCTGAAGACAACACCAGTGTTCAGACAAATAT
 TTCTCGGCAAATCCTGAATGGGAGCTTACAGGAGGGCCTTCCGAAATGGGCGTCGAGCATGCCTGCCA
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 TTGAAAAGTGGCATGAAGGACTCTACTGTGGTGTGGCCCTCTGCAAAAGTGCATTTGGAGACCAGGTT
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 GTACTAAAAGTCTCCTTCCACCAACAGACGCCCGTTCCGGCCAGATCAAAGATTTTTGGAAGAAGGAA
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 AGAAAACAATCTTGAACATATACAAAATTTTTAAAAAAGTTATTGATGCCAATCAAAGAGAAGCCTGG
 GTTTCTAACGACACCTACTGGGAGCTTCGAAAGGACCCTGGGTTAGCAAAGTAGACAGCCCTGTTCTTT
 GG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213081 representing NM_032523
Red=Cloning site Green=Tags(s)

MSSDEKGISPAHKTSTPTHRASSTSSQDRSRQSIHILERTASSSTEPSVSRQLLEPEPVPLSKEADSW
 EIIEGLKIGQTNVQPKHEGFMLKKRWPLKGWHKRFVLDNGMLKYSKAPLDIQKGVHGSIDVGLSV
 MSIKKKARRIDLDT EEHIYHLKVKSQDFDAVSKLRHHRLYRQNEIVRSPRDASFHIFPSTSTAESSPA
 ANVSVMDGKMQPNSFPWQSP LPCSNLPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQ
 NLEILQRTQSAPNFTDMQANCVDISKDKRVTRRWRTKSVSKDTKIQLQVPFSATMSPVRLHSSNPNLCA
 DIEFQTPPSHLTDPLESSTDYTKLQEEFCLIAQKVHSLLSAFNSIAIEKEKLMQVSEQDHSKGHSTQM
 ARLRQSLSQLNQNAELRSRLNRHSESIICDQVVSVNIIPSPDEAGEQIHVSLPLSQQVANESRLSMSE
 SVSEFFDAQEVLLSASSSENEASDDESYISDVSDNISEDNTSVADNISRQILNGELTGGAFRNGRRACLP
 APCPDTSNINLWNILRNNIGKDLKVSMPVELNEPLNTLQHLCEEMEYSELLDKASETDDPYERMVLVAA
 FAVSGYCSTYFRAGSKPFPVLPGETYECIREDKGFRFFSEQVSHHPPISACHCESKNFVFWQDIRWKNKF
 WGSMEILPVGTLNVMLPKYGDYVWVKVTTTCIHNILSGRRWIEHYGEVTRNTKSSVCICKLTFVKVNY
 WNSNMNEVQGVVIDQEGKAVYRLFQKWHEGLYCGVAPSAKCIWRPGSMPTNYELYYGTRFAIELNELDP
 VLKDLLPTDARFRPDQRFLEEGNLEAAASEKQRVEELQRSRRRMEENNLEHIPKFFKVIDANQREAW
 VSNDTYWELRKDPGFSKVDSPVLW

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

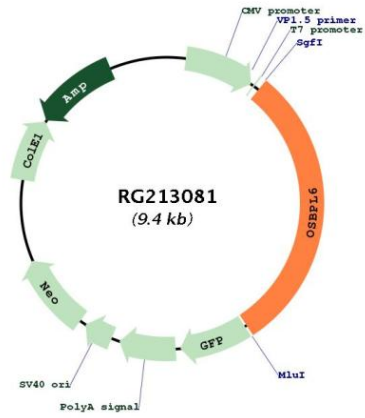


ACCN: NM_032523

ORF Size: 2802 bp

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| 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: | <ol style="list-style-type: none">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_032523.2 , NP_115912.1 |
| RefSeq Size: | 3794 bp |
| RefSeq ORF: | 2805 bp |
| Locus ID: | 114880 |
| UniProt ID: | Q9BZF3 |
| Cytogenetics: | 2q31.2 |
| Domains: | Oxysterol_BP, PH |
| Gene Summary: | 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 RG213081