

Product datasheet for **RG235080**

OSBPL6 (NM_001201480) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL6 (NM_001201480) 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:

>RG235080 representing NM_001201480
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCAGATGAGAAGGGCATTTCCTGCTCATAAAACATCCACTCCAACCCATAGAAGTGCCTCCT
 CTTCAACATCCTCCCAAAGGGACAGTAGGCAGAGTATTACATACTGGAGAGGACTGCTTCTCTAGCAC
 CGAGCCCTCTGTAAGTCGGCAATTGCTAGAACCGGAGCCAGTCCCCCTCTCCAAGGAAGCTGACAGCTGG
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAACCAGACAAACATGAGGGCTTTATGC
 TGAAGAAAAGAAAATGGCCTTTAAAAGGCTGGCACAAGCGTTTTTTTTGCTCCTGGATAATGGAATGTTAAA
 GTATTCAAAGGCACCACTCGATATTCAGAAAGGAAAGTCCATGGGAGCATAGATGTGGGACTCTCAGTC
 ATGTCAATTAAGAAAGCTCGAAGAATAGACCTTGACACCGAAGAGCACATCTATCATTTGAAGGTGA
 AATCCCAGGACTGGTTTGTATGCATGGGTCTCAAACCTGCGACATCATCGTTGTATCGTCAGAATGAAAT
 TGTGAGATCACCAAGAGATGCTAGTTTTACATATTTCTTCAACGTCCAGCTGAATCCTCACCAGCT
 GCTAATGTTTCTGTAATGGATGGAAGATGCAACCAAACAGCTTTCCGTGGCAGTCCCCTTTACCATGCA
 GCAATAGCCTCCCTGCAACGTGCACAACCTGGCCAGAGTAAAGTGGCAGCCTGGTTACAGGACTCGGAAGA
 GATGGACAGGTGTGCAGAAGATCTTGCACATTGCCAGTCAAACCTTGTGGAACTTAGCAAACCTCTGCAA
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 TTTCAAAGAAAGACAAGCGGGTCAAGACGATGGAGAACAAAAGTGTGAGCAAGATACAAAAATACA
 ACTGCAGGAAGGGCCACCCGGAAGGGCCAGTTACGACAACTCGGCGCCGGCAGAGGCTAGCGGCAGCA
 GTGGCTACAACAGTTCCTTTAGTGTACCATGTACACAGTTCGCTTGCATTCTCCAACCCCAACCTTT
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 CAGAGTCTGTTTCTGAGTCTTTGATGCCAAGAGGTGCTCCTCTGCAAGTTCGTGAGAGAATGAGGC
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 AATATTTCTCGGCAAATCCTGAATGGGAGCTTACAGGAGGGCCTTCCGAAATGGGCGTCGAGCATGCC
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 ATGGAATACAGCGAGCTCCTGGACAAGGCTTCGGAACTGATGATCCATATGAGCGCATGGTTCTCGTTG
 CCGCATTTGCAGTTTCAGGATACTGCTCCACCTATTTAGAGCAGGAAGTAAAGCCATTCAACCCAGTCT
 TGGGGAGACTTATGAATGCATTAGAGAAGACAAGGATTCGCTTTTTCTCAGAACAGGTTAGCCATCAT
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 CCTGGGTTTCTAACGACACCTACTGGGAGCTTCGAAAGGACCCTGGGTTTAGCAAAGTAGACAGCCCTGT
 TCTTTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235080 representing NM_001201480
 Red=Cloning site Green=Tags(s)

MSSDEKGISPAHKTSTPTHRASSTSSQRDSRQSIHILERTASSSTEPSVSRQLLEPEPVPLSKEADSW
 EII EGLKIGQTNVQPKHEGFMLKKRWPLKGWHKRFVLDNGMLKYSKAPLDIQKGKVGHSIDVGLSV
 MSIKKKARRIDLDT EEHIYHLKVKSQDWFDAVSKLRHHRLYRQNEIVRSPRDASFHIFPSTSTAESSPA
 ANVSVMDGKMQPNSFPWQSP LPCSNSLPATCTTGQSKVAAWLQDSEEMDRCAEDLAHCQSNLVELSKLLQ
 NLEILQRTQSAPNFTDMQANCVDISKKDKRVTRRWRKTSVSKDTKIQLQEGPPAKGQFSTTRRRQLAAA
 VATTVPFSATMSPVRLHSSNPNLCADIEFQTPPSHLTDPLESSTDYTKLQEEFCLIAQKVHSLKSAFNS
 IAIEKEK LKQMVSEQDHSKGHSTQMARLRQSLSQALNQNAELRSRLNRIHSESIICDQVVSVNIIPSPDE
 AGEQIHVSLPLSQVANESRLSMSESVSEFFDAQEVL L SASSSENEASDDESYISDVSDNISDNTSVAD
 NISRQILNGELTGGAFRNGRRA CLPAPCPDTSNINLWNILRNNIGKDL SKVSMVELNEPLNTLQHLCEE
 MEYSEL LDKASETDDPYERMVL VAAFAVSGYCSTYFRAGSKFPNPVLGETYECIREDKGRFFSEQVSHH
 PPI SACHCESKNFVFWQDIRWKNKFWGKSM EILPVGTLNVM LPKYGDYYVWNVKVTTCIHNILSGRRWIEH
 YGEVTIRNTKSSVIC K LTFVKVNYWNSNMNEVQGVVIDQEGKAVYRLF GKWHEGLYCGVAPSAKCIWRP
 GSMPTNYELYGFTRFAIELNELDPVLKDLLPPTDARFRPDQRFLEEGLNLEAAASEKQRVEELQRSRRRY
 MEENLEHIPKFFKKVIDANQREAWVSNDTYWELRKDPGFSKVDSPVLW

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

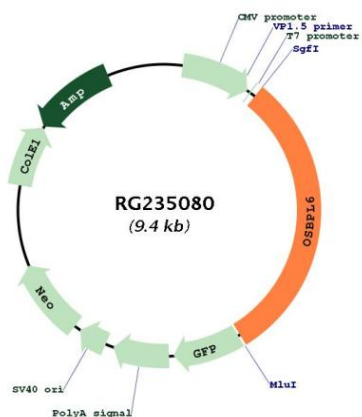


ACCN: NM_001201480

ORF Size: 2877 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:	<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_001201480.2
RefSeq Size:	7315 bp
RefSeq ORF:	2880 bp
Locus ID:	114880
UniProt ID:	Q9BZF3
Cytogenetics:	2q31.2
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 RG235080