

Product datasheet for **RG213441**

ORP1 (OSBPL1A) (NM_080597) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORP1 (OSBPL1A) (NM_080597) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ORP1
Synonyms:	ORP-1; ORP1; OSBPL1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213441 representing NM_080597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACACAGAAGCGGAGCAACAGCTTCTCCATCACGCCAGAAATGGCAATGCTGAAGAAGTAAAGACAAC
 TATTAGAGACCATGGCGAGGAATGAAGTATTGCTGACATTAATTGCAAAGGAAGAAGTAAAGTCTAACTT
 GGGCTGGACACCTCTACATCTGGCATGCTATTTTGGACACAGACAAGTGGTCCAGGATCTGTTGAAGGCT
 GGTGCAGAAGTGAATGTGTTGAATGACATGGGAGACACGCCGCTTCATCGAGCTGCCTTTACAGGACGAA
 AGGAGTTGGTAATGCTTCTTTAGAATAAATGCTGATACTACTATTGTTAATGGGAGTGGACAGACAGC
 AAAAGAAGTTACTCATGCTGAAGAAATCAGAAGCATGCTGAAGCTGTAGAAAGGACTCAACAAAGAAAG
 CTTGAAGAATTACTTTTAGCAGCAGCAAGAGAAGGCAAAAACAAGAAGTCAACAGCTCTGCTCAACAGGC
 CCAATCCTCTGATGTTAACTGTTCCGATCAGTTAGGAAATACACCCTTGCAATTGTGCAGCTTACGGGGC
 CCATAAACAATGTGCCTTAAAGCTTCTAAGAAGTGGAGCAGACCCTAATCTGAAGAACAATAATGATCAG
 AAACCTCTTGACCTTGCCAGGGTGTGAAATGAAACACATTCTGTTGGTAATAAGGTCACTACAAAAG
 CATTGAAACGATATGAGGGCCCTCTCTGGAAGAGTTCAAGATTTTTTGGCTGGAGATTATCTGGGTAGT
 GTTAGAGCATGGAGTCTTTTATGGTATAGGAAACAGCCTGATGCAGTTCATAATATTTATCGCCAGGGA
 TGCAAACACCTGACTCAAGCAGTATGCACGGTAAAATCCACTGATAGCTGCCTCTCTTTATTAATGCT
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 TGTCGGAAGAAAAGACTGTGGTGGCGGAGATGCTCTCCAATGGCATCAAGAAAACACAGAAACAAGTTT
 GCCTTCTCTATGTTTTCCAGAAATGACTTCAGTATCTGGAGCATCCTCAGAAAATGATTGGAATGGAA
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 TGGCTTTGCTGTATCTGCTGTTGCTTCTCAGTGGGAACGGACTGGAAAACCTTTCAACCCACTGCTGGGA
 GAGACTTATGAATTAGTGCAGATGACCTTGGATTTAGACTCATCTCCGAACAGGTGAGCCATCACCCAC
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 GAAGAGGACTGGAAGACGAGGTGGTCCATCAAGTCTAATCCCTACAATGGAGCACAGGACTGGATTT
 ACTCTGGCAGCTACTGGACAGAAATTAATTCAATTTGCCTGACATTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213441 representing NM_080597
Red=Cloning site Green=Tags(s)

MNTEAEQQLLHHARNGNAAEEVRQLLETMARNEVIADINCKGRSKSNLGTWPLHLACYFGHRQVVQDLLKA
 GAEVNLNDMGDTPLHRAAFTGRKELVMLLLEYNADTTIVNGSGQTAKEVTHAAEIRSMLEAVERTQQRK
 LEELLLAAAREGKTTEL TALLNRPNPPDVNCSOQLGNTPLHCAAYRAHKQCALKLLRSGADPNLKNKNDQ
 KPLDLAQGAEMKHILVGNKVIYKALKRYEGLWSSRFVWRLFWVLEHGVLSWYRKQPDVHNIYRQG
 CKHLTQAVCTVKSTDSCLEFFIKCFDDTIHGFRVPKNSLQQSREDWLEAIEEHSAYSTHYCSQDQLTDEEE
 EDTVSAADLKKSLKAQSCQQRDLREISNFLKMIKCDMAKEMLP SFLQKVEVSEASRETCVALTDCLN
 LFTKQEGVRNFKLEQEKEKNKILSEALETLATEHHELEQSLVKGSPASILSEDEFYDALSDSESERSLS
 RLEAVTARSFEEEGEHLGSRKHRMSEKDCGGDAL SNGIKKHRTSLSPMFSRNDFSIWSILRKCIGME
 LSKITMPVIFNEPLSFLQRLTEYMEHTYL IHKASSLSDPVERMQVAAFVSAVASQWERTGKPFNPLLG
 ETYELVRDDLGFRLISEQVSHPPISAFHAEGLNNDFIHGSYIPKLFKFKSVEAEPKGTITLLELHN
 EAYTWTNPTCCVHNIIVGKLWIEQYGNVEIINHKTGDKCVLNFKPCGLFGKELHKVEGYIQDKSKKLLCA
 LYGKTECLYSVDPATFDAYKNDKKNTEKKNKQMSSEELDEMPVPDSESVFIIPGSVLLWRIAPRP
 PNSAQMYNFTSFAMVLNEVDKDMESVIPKTDCLRPDIRAMENGEIDQASEEKKRLEEKQRAARKNRSKS
 EEDWKTRWFHQPNPYNGAQDWIYSGSYWDRNYFNLPIY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

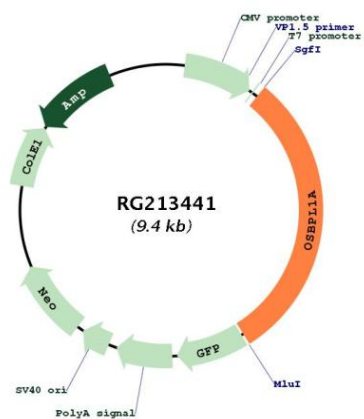


ACCN: NM_080597

ORF Size: 2850 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_080597.4
RefSeq Size:	4165 bp
RefSeq ORF:	2853 bp
Locus ID:	114876
UniProt ID:	Q9BXW6
Cytogenetics:	18q11.2
Domains:	Oxysterol_BP, PH, ANK
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, although some members contain only the sterol-binding domain. Transcript variants derived from alternative promoter usage and/or alternative splicing exist; they encode different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG213441