

Product datasheet for **RG214118**

ORP1 (OSBPL1A) (NM_018030) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORP1 (OSBPL1A) (NM_018030) 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:

>RG214118 representing NM_018030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACACAGAAGCGGAGCAACAGCTTCTCCATCACGCCAGAAATGGCAATGCTGAAGAAGTAAAGACAAC
 TATTAGAGACCATGGCGAGGAATGAAGTATTGCTGACATTAATTGCAAAGGAAGAAGTAAAGTCTAACTT
 GGGCTGGACACCTCTACATCTGGCATGCTATTTTGGACACAGACAAGTGGTCCAGGATCTGTTGAAGGCT
 GGTGCAGAAGTGAATGTGTTGAATGACATGGGAGACACGCCGCTTCATCGAGCTGCCTTTACAGGACGAA
 AGGAGTTGGTAATGCTTCTTTAGAATAAATGCTGATACTACTATTGTTAATGGGAGTGGACAGACAGC
 AAAAGAAGTTACTCATGCTGAAGAAATCAGAAGCATGCTGAAGCTGTAGAAAGGACTCAACAAAGAAAG
 CTTGAAGAATTACTTTTAGCAGCAGCAAGAGAAGGCAAAAACAAGAACTCACAGCTCTGCTCAACAGGC
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 CCATAAACAATGTGCCTTAAAGCTTCTAAGAAGTGGAGCAGACCCTAATCTGAAGAACAATAATGATCAG
 AAACCTCTTGACCTTGCCAGGGTGTGAAATGAAACACATTCTTGTGGTAATAAGGTCACTACAAAG
 CATTGAAACGATATGAGGGCCCTCTCTGGAAGAGTTCAAGATTTTTTGGCTGGAGATTATCTGGGTAGT
 GTTAGAGCATGGAGTCTTTTATGGTATAGGAAACAGCCTGATGCAGTTCATAATATTTATCGCCAGGGA
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 GCCTTCTCTATGTTTTCCAGAAATGACTTCAGTATCTGGAGCATCCTCAGAAAATGATTGGAATGGAA
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 TGGAGCATACTTACCTCATCCACAAGGCCAGTTCACTCTCTGATCCTGTGAAAGGATGCAGTGTGTAGC
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 CCAATCAGTGCATTTTATGCTGAAGGATTAACAATGACTTTCATCTTTCATGGCTCTATCTATCCCAAC
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 AGAAGAGGACTGGAAGACGAGGTGGTCCATCAAGTCTAATCCCTACAATGGAGCACAGGACTGGATT
 TACTCTGGCAGCTACTGGACAGAAATTAATTTCAATTTGCCTGACATTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214118 representing NM_018030
 Red=Cloning site Green=Tags(s)

MNTEAEQQLLHHARNGNAAEEVRQLLETMARNEVIADINCKGRSKSNLGTWPLHLACYFGHRQVVQDLLKA
 GAEVNLNDMGDTPHRAAFTGRKELVMLLLEYNADTTIVNGSGQTAKEVTHAAEIRSMLEAVERTQQRK
 LEELLLAAAREGKTTEL TALLNRPNPPDVNCSOQLGNTPLHCAAYRAHKQCALKLLRSGADPNLKNKNDQ
 KPLDLAQGAEMKHILVGNKVIYKALKRYEGLWKSSRFVWRLFWVLEHGVLSWYRKQPDVHNIYRQG
 CKHLTQAVCTVKSTDSCLEFFIKCFDDTIHGFRVPKNSLQQSREDWLEAIEEHSAYSTHYCSQDQLTDEEE
 EDTVSAADLKKSLKAQSCQQRDLREISNFKMIKCEMDAKEMLP SFLQKVEVSEASRETCVALTDCLN
 LFTKQEGVRNFKLEQEKEKNKILSEALETATEHHELEQSLVKGSPASILSEDEFYDALSDSESERLS
 RLEAVTARFEEEGEHLGSRKHRMSEKDCGGDAL SNGIKKHRTSLSPMFSRNDFSIWSILRKCIGME
 LSKITMPVIFNEPLSFLQRLTEYMEHTYL IHKASSLSDPVERMQVAAFVSAVASQWERTGKPLVSHHP
 PISAFHAEGLNDFIFHGSYIPKLFWGSVVEAEKGTITLELLEHNEAYTWTNPTCCVHNIIVGKLWIE
 QYGNVEIINHKTGDKCVLNFKPCGLFGKELHKVEGYIQDKSKKLCALYKWTECLYSVDPATFDAYKKN
 DKKNTEEKKNKQMSSTEELDEMPVPDSESVFIIPGSVLLWRIAPRPPNSAQMYNFTSFAMVLEVDKDM
 ESVIPKTDCLRPDIRAMENGEIDQASEEKKRLEEKQRAARKNRSKSEEDWKTRWFHQGNPNYNGAQDWI
 YSGSYWDRNYFNLPDIY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

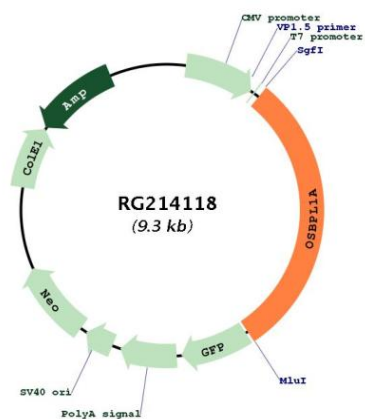
Cloning Scheme:



ACCN: NM_018030

ORF Size:	2781 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_018030.2 , NP_060500.2
RefSeq Size:	4089 bp
RefSeq ORF:	1314 bp
Locus ID:	114876
UniProt ID:	Q9BXW6
Cytogenetics:	18q11.2
Domains:	Oxysterol_BP
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 RG214118