

Product datasheet for **RC214118**

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:	Myc-DDK
Symbol:	ORP1
Synonyms:	ORP-1; ORP1; OSBPL1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214118 representing NM_018030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACACAGAAGCGGAGCAACAGCTTCTCCATCACGCCAGAAATGGCAATGCTGAAGAAGTAAAGACAAC
 TATTAGAGACCATGGCGAGGAATGAAGTATTGCTGACATTAATTGCAAAGGAAGAAGTAAAGTCTAACTT
 GGGCTGGACACCTCTACATCTGGCATGCTATTTTGGACACAGACAAGTGGTCCAGGATCTGTTGAAGGCT
 GGTGCAGAAGTGAATGTGTTGAATGACATGGGAGACACGCCGCTTCATCGAGCTGCCTTTACAGGACGAA
 AGGAGTTGGTAATGCTTCTTTAGAATAAATGCTGATACTACTATTGTTAATGGGAGTGGACAGACAGC
 AAAAGAAGTTACTCATGCTGAAGAAATCAGAAGCATGCTGAAGCTGTAGAAAGGACTCAACAAAGAAAAG
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 CCAATCCTCTGATGTTAACTGTTCCGATCAGTTAGGAAATACACCCTTGCAATTGTGCAGCTTACCGGGC
 CCATAAACAATGTGCCTTAAAGCTTCTAAGAAGTGGAGCAGACCCTAATCTGAAGAACAAAAATGATCAG
 AAACCTCTTGACCTTGCCAGGGTGTGAAATGAAACACATTCTTGTGGTAATAAGGTCACTACAAAAG
 CATTGAAACGATATGAGGGCCCTCTCTGGAAGAGTTCAAGATTTTTTGGCTGGAGATTATCTGGGTAGT
 GTTAGAGCATGGAGTCTTTTATGGTATAGGAAACAGCCTGATGCAGTTCATAATATTTATCGCCAGGGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC214118 representing NM_018030
 Red=Cloning site Green=Tags(s)

MNTEAEQQLLHHARNGNAAEEVRQLLETMARNEVIADINCKGRSKSNLGTWPLHLACYFGHRQVVQDLLKA
 GAEVNLNDMGDTPHRAAFTGRKELVMLLLEYNADTTIVNGSGQTAKEVTHAAEIRSMLEAVERTQQRK
 LEELLLAAAREGKTTEL TALLNRPNPPDVNCSOQLGNTPLHCAAYRAHKQCALKLLRSGADPNLKNKNDQ
 KPLDLAQGAEMKHILVGNKVIYKALKRYEGLWKSRRFFGWRLFWVLEHGVLSWYRKQPDVHNIYRQG
 CKHLTQAVCTVKSTDSCLFFIKCFDDTIHGFRVPKNSLQQSREDWLEAIEEHSAYSTHYCSQDQLTDEEE
 EDTVSAADLKKSLKAQSCQQRDLREISNFKMIKCEMDAKEMLP SFLQKVEVSEASRETCVALTDCLN
 LFTKQEGVRNFKLEQEKEKNKILSEALETATEHHELEQSLVKGSPASILSEDEFYDALSDSESERLS
 RLEAVTARFEEEGEHLGSRKHRMSEKDCGGDAL SNGIKKHRTSLSPMFSRNDFSIWSILRKCIGME
 LSKITMPVIFNEPLSFLQRLTEYMEHTYL IHKASSLSDPVERMQVAAF AVSAVASQWERTGKPLVSHHP
 PISAFHAEGLNDFIFHGSYIPKLFWGSVEAEPKGTITLELLEHNEAYTWTNPTCCVHNIIVGKLWIE
 QYGNVEIINHKTGDKCVLNFKPCGLFGKELHKVEGYIQDKSKKKLCALYGKWTECLYSVDPATFDAYKKN
 DKKNTEEKKNKQMSSTEELDEMPVPDSESVFIIPGSVLLWRIAPRPPNSAQMYNFTSFAMVLNEVDKDM
 ESVIPKTDCLRPDIRAMENGEIDQASEEKKRLEEKQRAARKNRSKSEEDWKTRWFHQGNPYNGAQDWI
 YSGSYWDRNYFNLPDIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

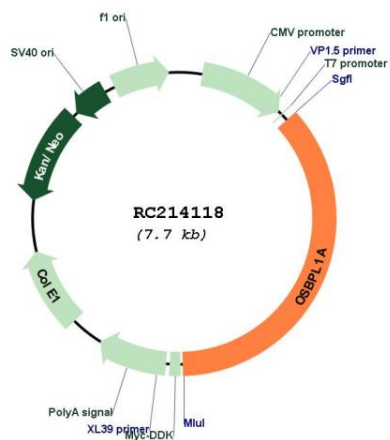


ACCN: NM_018030

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
MW:	105.78 kDa
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 RC214118