

Product datasheet for RC237780

OSBPL2 (NM_001278649) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OSBPL2 (NM_001278649) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: OSBPL2
Synonyms: DFNA67; DNFA67; ORP-2; ORP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237780 representing NM_001278649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAATCGCCTTCAACGAGCCTCTGAGCTTCTTGCAGCGGATCACGGAGTACATGGAGCACGTGTACC
 TCATCCACAGGGCTCCTGCCAGCCCCAGCCCCGGAGAGGATGCAGTCTGTGGCTGCTTTTGTGTTTC
 GGCTGTGGCTTCCAGTGGGAGAGGACCGCAAACCATTTAATCCACTCTGGGAGAAACGTATGAATTA
 ATCAGGGAAGATTTAGGATTCAGATTTATATCGGAACAGGTCAAGTACCACCCCCCATCAGTGCCTCC
 ACTCGGAAGGTCTCAACCATGACTTCTGTTCCATGGCTCCATCTACCCCAAGCTCAAGTTCTGGGGCAA
 AAGCGTGGAGGCGGAGCCCCGAGGCACCATCACCTGGAGCTGCTCAAACATAATGAAGCCTACACCTGG
 ACCAACCCACCTGCTGCGTCCACAACGTATCATCGGGAAGCTGTGGATAGAGCAGTATGGGACAGTGG
 AGATTTTAAACCACAGAAGTGGACATAAGTGTGTGCTTCACTTTAAACCGTGTGGATTATTTGGAAAAGA
 ACTTCACAAGGTGAAGGACACATTCAAGACAAAAAAGAAAGCTCTTTATGATCTATGGCAAATGG
 ACGGAATGTTTGTGGGCATAGATCCTGTTTCGTATGAATCCTTCAAGAAGCAGGAGAGGAGGTGACC
 ACCTGAGAAAGGCCAAGCTGGATGAAGACTCCGGGAAGGCTGACAGCGACGTGGCTGACGACGTGCTGT
 GGCCAGGAGACCGTGCAGGTCACTTCTGGCAGCAAGCTGCTCTGGAGGATCAACACCCGCCCCCAAC
 TCTGCCAGATCTGGCCAGCCAGGAGAAGGAGCGGCTGGAGGAGAAGCAGAGAGAAGCACGGAGGGAGCG
 GGCCAAGGAGGAGGCAGAGTGGCAGACGAGGTGGTTCTACCCAGGCAATAACCCCTACACTGGGACCCCC
 GACTGGTTGTATGCAGGGGATTACTTTGAGCGGAATTTCTCCGACTGCCAGATATCTACTGAGGCCTG
 GAGGGCCTGGGGCCCGGACCGGAGGCTGACGAGGCTGGACTTCTCGAGTGGCCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237780 representing NM_001278649
 Red=Cloning site Green=Tags(s)

MPIAFNEPLSFLQRITEYMEHVYL IHRASCQPQLERMQSVAAFVSAVASQWERTGKPFNPLLGETYEL
 IREDLGFRFISEQVSHPPISAFHSEGLNHDFLFHGSIYPKLKFVGKSVEAEPRGTITLELLKHNEAYTW
 TNPTCCVHNVIIIGKLWIEQYGTVEILNHRTGHKCVLHFKPCGLFGKELHKVEGHIQDKNKKL FMIYGKW
 TECLWGIDPVSYESFKKQERRGDHLRKAKLDEDSGKADSDVADDVPVAQETVQVIPGSKLLWRINTRPPN
 SAQIWPARRRSWRRSREKHGGSGPRRRQSGRRGGSTQAITPTLGPPTGCMQGITLSGISPTAQISTEGL
 EGPGARDRRLTRLDLFLEWPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

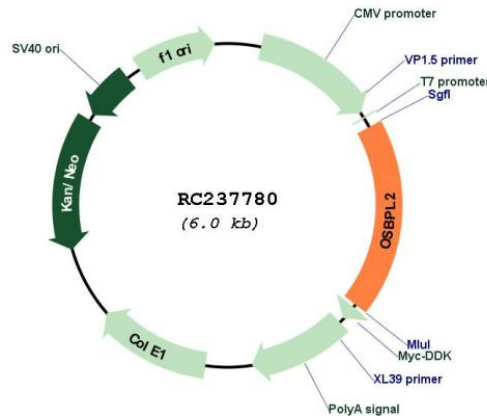
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278649

ORF Size:	1110 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_001278649.2
RefSeq Size:	3848 bp
RefSeq ORF:	1113 bp
Locus ID:	9885
Cytogenetics:	20q13.33
MW:	42.5 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 the encoded protein contains only the sterol-binding domain. In vitro studies have shown that the encoded protein can bind strongly to phosphatic acid and weakly to phosphatidylinositol 3-phosphate, but cannot bind to 25-hydroxycholesterol. The protein associates with the Golgi apparatus. Transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2014]