OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC335674

OSBPL2 (NM_001278649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL2 (NM_001278649) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL2
Synonyms:	DFNA67; DNFA67; ORP-2; ORP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335674 representing NM_001278649. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCCAATCGCCTTCAACGAGCCTCTGAGCTTCTTGCAGCGGATCACGGAGTACATGGAGCACGTGTAC CTCATCCACAGGGCCTCCTGCCAGCCCCAGCCCCTGGAGAGGATGCAGTCTGTGGCTGCTTTTGCTGTT TCGGCTGTGGCTTCCCAGTGGGAGAGGACCGGCAAACCATTTAATCCACTCTTGGGAGAAACGTATGAA TTAATCAGGGAAGATTTAGGATTCAGATTTATATCGGAACAGGTCAGTCACCACCCCCCCATCAGTGCG TTCCACTCGGAAGGTCTCAACCATGACTTCCTGTTCCATGGCTCCATCTACCCCAAGCTCAAGTTCTGG GGCAAAAGCGTGGAGGCGGAGCCCCGAGGCACCATCACCCTGGAGCTGCTCAAACATAATGAAGCCTAC ACCTGGACCAACCCCACCTGCTGCGTCCACAACGTCATCATCGGGAAGCTGTGGATAGAGCAGTATGGG ACAGTGGAGATTTTAAACCACAGAACTGGACATAAGTGTGTGCTTCACTTTAAACCGTGTGGATTATTT GGAAAAGAACTTCACAAGGTGGAAGGACACATTCAAGACAAAAACAAAAAGAAGCTCTTTATGATCTAT GGCAAATGGACGGAATGTTTGTGGGGCATAGATCCTGTTTCGTATGAATCCTTCAAGAAGCAGGAGAGG AGAGGTGACCACCTGAGAAAGGCCAAGCTGGATGAAGACTCCGGGAAGGCTGACAGCGACGTGGCTGAC GACGTGCCTGTGGCCCAGGAGACCGTGCAGGTCATTCCTGGCAGCAAGCTGCTCTGGAGGATCAACACC CGGCCCCCCAACTCTGCCCAGATCTGGCCAGCCAGGAGAAGGAGCGGCTGGAGGAGAAGCAGAGAGAAG CACGGAGGGAGCGGGCCAAGGAGGAGGCAGAGTGGCAGACGAGGTGGTTCTACCCAGGCAATAACCCCT ACACTGGGACCCCCGACTGGTTGTATGCAGGGGATTACTTTGAGCGGAATTTCTCCGACTGCCCAGATA TCTACTGAGGGCCTGGAGGGGCCTGGGGCCCGGGACCGGAGGCTGACGAGGCTGGACTTCCTCGAGTGG CCACTGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

ACCN:	NM_001278649
Insert Size:	1113 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_001278649.1
RefSeq Size:	3848 bp
RefSeq ORF:	1113 bp
Locus ID:	9885
Cytogenetics:	20q13.33
MW:	42 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] Transcript Variant: This variant (3) contains multiple differences in the internal exons, compared to variant 2, and initiates translation at a downstream in-frame start codon. exons and contains another compared to variant 2. The resulting isoform (3) is shorter at the N-terminus and has a distinct C-terminus compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.