

Product datasheet for **SC325338**

OSBPL5 (NM_001144063) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL5 (NM_001144063) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL5
Synonyms:	OBPH1; ORP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325338 representing NM_001144063.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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Restriction Sites: SgfI-MluI
ACC�: NM_001144063
Insert Size: 2436 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001144063.1</u>
RefSeq Size:	3700 bp
RefSeq ORF:	2436 bp
Locus ID:	114879
UniProt ID:	<u>Q9H0X9</u>
Cytogenetics:	11p15.4
MW:	90.8 kDa
Gene Summary:	This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors that play a key role in the maintenance of cholesterol balance in the body. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. This gene has been shown to be imprinted, with preferential expression from the maternal allele only in placenta. Transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010] Transcript Variant: This variant (3) lacks an in-frame exon compared to variant 1, resulting in a shorter isoform (b) compared to isoform a. Isoform b has a sterol-binding domain but lacks a complete pleckstrin homology domain. Variants 2 and 3 encode the same protein.