

Product datasheet for **RC209112**

OSBPL7 (NM_145798) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL7 (NM_145798) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OSBPL7
Synonyms:	ORP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209112 representing NM_145798
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

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Protein Sequence: >RC209112 representing NM_145798
 Red=Cloning site Green=Tags(s)

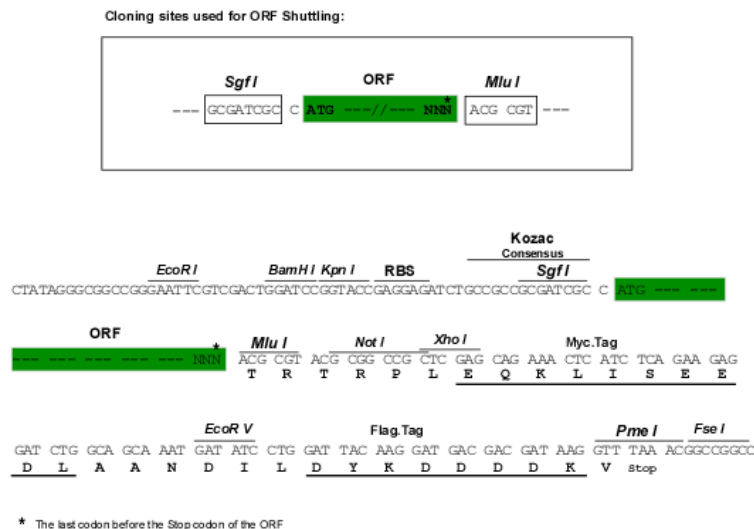
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Chromatograms: https://cdn.origene.com/chromatograms/mg2860_d05.zip

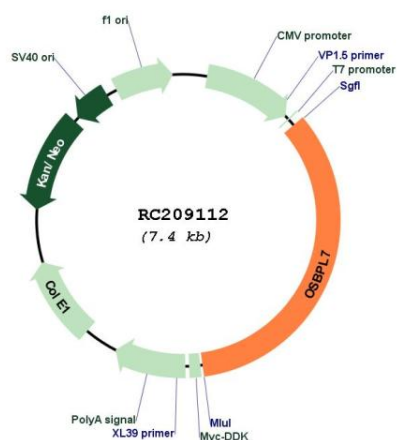
Restriction Sites: SgfI-MluI

Cloning Scheme:

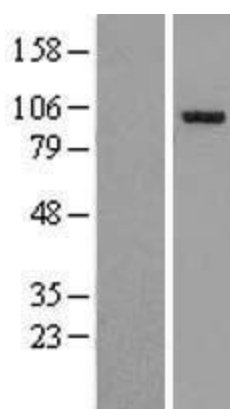


ACCN:	NM_145798
ORF Size:	2526 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145798.3
RefSeq Size:	3674 bp
RefSeq ORF:	2529 bp
Locus ID:	114881
UniProt ID:	Q9BZF2
Cytogenetics:	17q21.32
Domains:	Oxysterol_BP, PH
MW:	95.3 kDa
Gene Summary:	This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Like most members, the encoded protein contains an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. Two transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008]

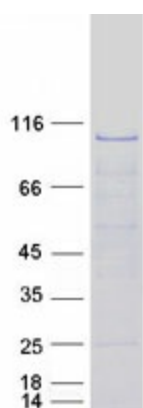
Product images:



Circular map for RC209112



Western blot validation of overexpression lysate (Cat# [LY407882]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209112 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified OSBPL7 protein (Cat# [TP309112]). The protein was produced from HEK293T cells transfected with OSBPL7 cDNA clone (Cat# RC209112) using MegaTran 2.0 (Cat# [TT210002]).