

Product datasheet for **RC217071**

OBSL1 (NM_015311) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OBSL1 (NM_015311) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OBSL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217071 representing NM_015311 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC217071 representing NM_015311

Red=Cloning site Green=Tags(s)

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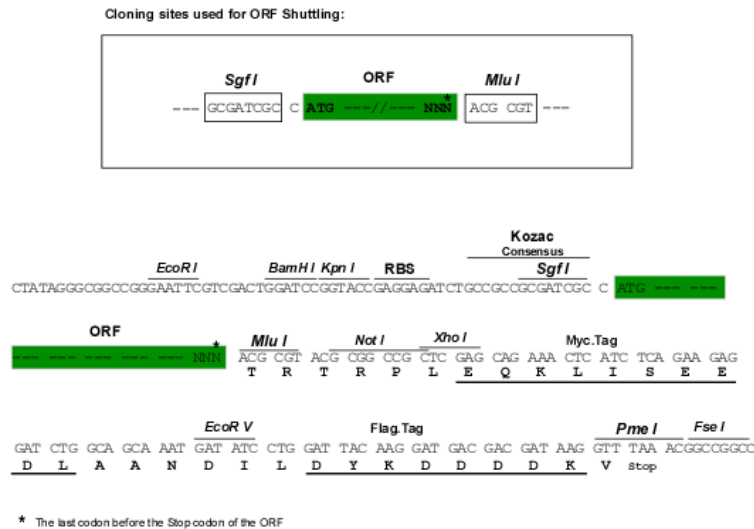
Chromatograms:

https://cdn.origene.com/chromatograms/mk8017_h01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_015311

ORF Size: 5688 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:

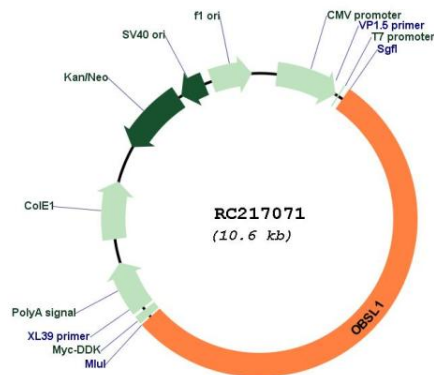
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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.

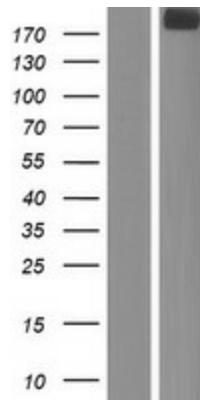
RefSeq: [NM_015311.3](#)
 RefSeq Size: 5841 bp
 RefSeq ORF: 5691 bp
 Locus ID: 23363
 UniProt ID: [O75147](#)
 Cytogenetics: 2q35
 MW: 206.95 kDa

Gene Summary: Cytoskeletal adaptor proteins function in linking the internal cytoskeleton of cells to the cell membrane. This gene encodes a cytoskeletal adaptor protein, which is a member of the Unc-89/obscurin family. The protein contains multiple N- and C-terminal immunoglobulin (Ig)-like domains and a central fibronectin type 3 domain. Mutations in this gene cause 3M syndrome type 2. Alternatively spliced transcript variants encoding different isoforms have been found in this gene. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC217071



Western blot validation of overexpression lysate (Cat# [LY414643]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217071 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).