

Product datasheet for **SC329362**

OBSL1 (NM_001173431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OBSL1 (NM_001173431) Human Untagged Clone
Tag:	Tag Free
Symbol:	OBSL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001173431, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCGAGCTCGGGGATCAGGGGAGCCCCCGTGTCTCCTGCGCTTCCCGCGGCT
GTGCGGGTGGTAAGTGGCGCCGAGGCCGAGCTCAAGTGCCTGGTCTGGGGGAGCCGCC
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 CGGCTCCATGTTGAGAGACAGAGCTGCTGTTCTACGGCGTTGCAGGATGTGCGGGCA
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 GGCTGCGAGAGCCACCGATCGCACCTGGCCAGGCTCAGCGTGAGCGTGAGTGCCCC
 GTCCTCTCTAA

Restriction Sites:	Please inquire
ACCN:	NM_001173431
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_001173431.1, NP_001166902.1</u>
RefSeq Size:	5793 bp
RefSeq ORF:	4632 bp
Locus ID:	23363
UniProt ID:	<u>O75147</u>
Cytogenetics:	2q35
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] Transcript Variant: This variant (2) lacks multiple 3' exons but has an alternate 3' sequence, as compared to variant 1. The resulting isoform (2, also known as isoform C) is shorter and has a different C-terminus, as compared to isoform 1.