

Product datasheet for SC329261

OBSL1 (NM_001173408) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OBSL1 (NM_001173408) 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_001173408, the custom clone sequence may differ by one or more nucleotides

```

ATGAAGCGAGCTCGGGGATCAGGGGAGCCCCCGTGTCTCCTGCGCTTCCCGCGGCT
GTGCGGGTGGTAAGTGGCGCCGAGGCCGAGCTCAAGTGCCTGGTCTGGGGGAGCCGCC
CCTGTAGTGGTGTGGGAGAAGGGCGGGCAGCAGCTGGCGGCTCGGAACGCTGAGCTTC
CCGGCGGACGGCGCGGAGCACGGCTGCTGCTGACCGCCGCACTGCCACCGACGCGGG
GTCTACGTGTGCCGCGCCGCAACGCGCGCGGCGAGGCCACGCGCGCGCCGCCGTACCC
GTGCTGGAGCCGCGGCTCCGACCCGAGCTGCAGCCCGCGAGCGCCCGCTGCCATCG
CCGGGGTCCGGGGAGGGCGCCCCGCTTCTCCTACGGGGCTCGATCCAGTGGGTGCTG
CGGGGGCGGAGGTGGTGTGACGTGCCGGCGGGGGGCTCCCCGAGCCCACTGTAC
TGGGAGAAGGACGGGATGGCCCTGGACGAAGTGTGGGACAGCAGCACTTCGCGCTCCAG
CCGGGCGCGCCGAGGACGGCCCCGCGCGAGCCTGGCACTGCGCATCCTGGCGGCTCGG
CTGCCGATTCCGGCTTACGTGTGCCACGCCGCAACGCGCACGGCCACGCGCAGGCG
GGGGCGTGCTCCAGGTGACACGCCCCCGAGAGCCCGCCGCGGACCCGACGAGGCC
CCCGCGCGGTGGTGGAGCCGCTCAAGTGCAGCCTAAGACCTTCTGGGTGAACGAGGGC
AAGCACGCAAGTTCGGCTGCTACGTGATGGGCAAGCCGAGCCGAGATCGAATGGCAC
TGGGAGGGCGCCCGCTGCTCCCGACCGCCGCGCTCATGTACCGGACCGCGACGGC
GGCTTCGTGCTCAAGGTGCTTTACTGCCAGGCCAAGGATCGTGGGCTCTACGTCTGCGCC
GCGCGCAACTCGGCGGGCAGACGCTCAGTGCCGTGCAGCTGCAGTGAAAGAGCCCCGC
TCCCGTTTACACGCGCCCTGCAGGACGTGGAGGGCCGTGAGCACGGGATTGCCGTGCTG
GAATGTAAAGTACCAACTCCCGCATCCCCACGGCTGGTTCCGTGAGGACCAGCGGCTG
CTGCCCTGCCGCAAGTACGAGCAGATCGAAGAGGGCACTGTCCGGCGCCTCATATCCAC
AGGCTGAAGGCAGACGATGATGGTATCTACCTGTGCGAGATGCGGGGCCGGTGCACAC
GTGGCCAACTGACAGTCAAAGGGCCATCCTGAAGCGCTGCCCGGAAGCTCGACGTC
CTGGAAGGAGAGAATGCTGTGCTGCTAGTGAACTCTAGAGCCGGGGTCGAGGGACGC
TGGAGCCGTGATGGGAGGAGCTGCCGGTATCTGCCAGAGCAGCTCAGGCCACATGCAT
GCCCTGGTCTTCCAGGGGTACCCGAGAGGATGCTGGCGAGGTACCTTTAGCCTGGGC
AACTCCCGTACCCTACGTTCTCAGAGTAAATGTGTCAAGCACAGTCCCCCAGGACCC
CCCATATTGCGAGAGATGTTCAAGGGCCACAAGAACACGGTCCTGTTGACCTGGAAGCCT
  
```


[View online »](#)

```

CCCGAGCCAGCTCCCAGACCCCATTCATCTACCGGCTGGAGCGGCAGGAAGTGGGCTCT
GAAGACTGGATTCACTGCTTCAGCATCGAGAAAGCCGGAGCCGTGGAGGTGCCGGGCGAC
TGTGTGCCCTCCGAGGTGACTACCGCTTCCGCATCTGCACAGTCAGCGGACATGGCCGT
AGTCCCCACGTGGTGTCCACGGTTCTGCTCACCTTGTCACACAGCTCGCCTGGTGGCA
GGTCTGGAGGATGTGCAGGTATACGACGGGGAAGATGCCGTCTTCTCCCTCGATCTCTCC
ACCATCATCCAGGTACCTGGTTCTTAATGGGGAAGAGCTCAAGAGTAACGAGCCGGAG
GGCCAGGTGGAACCTGGGGCCCTGCGGTACCGTATAGAGCAGAAGGGTCTGCAGCACAGA
CTCATCTGCATGCCGTCAAGCACAGGACAGCGGTGCCCTGGTCGGCTTCAGCTGCCCC
GGCGTGCAGGACTCAGCTGCCCTCACAATCCAAGAGAGCCCGGTGCACATCCTGAGCCCC
CAGGACAGGGTGTGTTGACCTTCAACCTCAGAGCGGGTGGTGTGACTTGTGAGCTC
TCAAGGGTGGACTTCCCGCAACCTGGTACAAGGATGGGCAGAAGGTGGAGGAGAGCGAG
TTGCTGGTGGTGAAGATGGATGGGCGCAACACCGTCTGATCCTGCCTGAGGCCAAAGTC
CAGGACAGTGGCGAGTTTGAAGTGCAGGACAGAAGGGTCTCGGCCTTCTTCGGCGTCACT
GTCCAAGATCCTCCCGTCACATCGTGGACCCCGAGAACATGTGTTCTGTCATGCCATA
ACTTCCGAGTGTGTCATGCTGGCTGTGAGGTGGACCGAGAGGACGCCCTGTGCGTTGG
TACAAGGACGGGAGGAGGTGGAGGAGAGTGACTTCGTGGTGCTGGAGAAATGAGGGGCC
CATCGCCGCTGGTGTGCTGCCCGCCACCCAGCCCTCAGACGGGGGCGAGTTTCAGTGCGTC
GCTGGAGATGAGTGTGCTACTTCACTGTCAACATCACAGACGTCTCCTCGTGGATCGTG
TATCCCAGCGCAAGGTGTATGTGGCAGCGTGCCTGGAGCGTGTGGTGTGACCTGT
GAGCTATGCCGGCCCTGGGCAGAGGTGCGCTGGACCAAGGATGGAGAGGAGGTGGTGGAG
AGCCCCGCGTGTCTCTGCAGAAGGAAGACACTGTCCGCCGCTGGTGTGCCCGCTGTCT
CAGCTCGAGGACTCCGGCGAGTACTTGTGTGAAATTGACGATGAGTCGGCCTCCTTCACT
GTCACCGTCACAGAGTCTTACCAAAGTCAGGACAGTTCAAATAACAATCCGGAGTTATGC
GTCCTCTTGAAAAGCCGAAGACCGGGGCTCTGGTCCCGCTTCCCCCATGGCGACGA
ACAGCTGGCACTGAGTAG

```

Restriction Sites:	Please inquire
ACCN:	NM_001173408
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_001173408.1, NP_001166879.1</u>
RefSeq Size:	3578 bp

RefSeq ORF: 3078 bp

Locus ID: 23363

UniProt ID: [O75147](#)

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 (3) lacks multiple 3' exons but has an alternate 3' exon, as compared to variant 1. The resulting isoform (3, also known as isoform B) is much shorter and has a different C-terminus, as compared to isoform 1.