

Product datasheet for **MC218514**

Obsl1 (BC051643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Obsl1 (BC051643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Obsl1
Synonyms:	AW822216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGCCCTGGTCTTCCAGGGGTGACCCGAGAAGATGCTGGAGAGATCACCTTCAGCCTGGGCAACT
 CCCGTACCACCACCCTGCTCAGAGTCAAATGTGTCAAGCACAGTCCTCCCGGGCCCCCGTAATGGTTGA
 GATGTTCAAAGGCCAAAAGAACAAGTTCTGCTGACCTGGAAGCCCCAGAGCCACCTCCAGAGACCTCC
 TTCATCTACCGCTAGAGCGGCAGGAAGTGGGGTCTGACGATTGGATCCAGTGCTTCAGCATTGAGAAGG
 CGGGAGCCGTAGAGGTGCCCGGGGACTGTGTACCCACCGAGGGTGACTATCACTTCCGCATCTGCACAGT
 CAGTGAACATGGCCGAGTCCCATGTCGTGTTCAACGGTTCTGCTCACCTTGTCACAGCTCGCCTG
 GTGTCAGGCTGGAAGACGTGCAGGTGTATGATGGGAAGATGCCGTCTTCTCCCTTGATCTGTCCGCCA
 TCATCCAGGGCTCTTGGTTCTTAATGGAGAGCAGCTCCAGAGTAATGAGCCAGAGGGCCAGGTGGAGCC
 TGGAGCCCTGCGGTACCGCATAGAGCAGAAGGGCTCCAGCACAGGCTCATCCTGCAAGCTGTCAAGCAC
 CGGGACAGTGGGGCCCTGGTTGGCTTCAGCTGCCCTGGTGTGCAAGACTCTGCTGCCCTCACTATCCAAG
 AAAGCTCAGTGCACATCCTGAGTCCCCAGGACAAGGTGTCACTGACCTTCACGACCTCTGAACGGGTAGT
 GCTGACCTGTGAGCTCTCAAGGGTGGATTTTCTGCAACCTGGTACAAGGATGGGCAGAAGGTGGAGGAG
 AGCGAGTCGCTCATAGTGAAGACAGAGGGCCGCAACACCGACTGATCCTGCCTGAGGCTCAAGTCCGAG
 ACAGCGGTGAAATTGAGTGCAGAACGGAAGGGTCTCGGCCTTCTTTGGAGTCACTGTTCAAGATCCCCC
 AGTGCACATCGTGAACCCCCAAGAGCATGTGTTTGTCCATGCCATCACCTCCGAGTGTGCAGGCTGACC
 TGTGAGGTAGACCGAGAGGACACAACCTGTACACTGGTACAAGGATGGGCAGGAGGTGGAGGAGAGTGACA
 TCATCGTATTAGAAAATGAAGGGCCCCATCACCGCTGGTGCTACCTGCAGCCCGGCCCTCCGACGGGGG
 CGAGTTCCAGTGTGTCGAGGAGATGAACGTGCCCTACTTCACAGTTACCATCACAGATGTCTTCTCGTGG
 ATCGTCTACCCAGTAGCGAAGTGCATGTGGCAGCCGTACGCCTAGAGCGTGTGGTGTGACCTGTGAGC
 TGTGCCGACCCTGGGCTGAGGTGCGCTGGACCAAGATGGGGAGGAGGTAGTGGAGAGCCAGCACTGCT
 CCTGGAGAAGGAAGACCATCCGCCGCTGGTGTGCCCTCTGTCCAGCTTGGAGATTCTGGCAGTAC
 CTGTGTGAAATCCATGATGAGTCGGCTTCTTCACCATCACCGTCACAGGTGTGGCCTATCCAGCCCC
 CAGAGTACCAGAGGACAACCTGAGCCTCAGGAATGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC051643

Insert Size: 1581 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).

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: [BC051643](#), [AAH51643](#)

RefSeq Size: 2417 bp

RefSeq ORF: 1580 bp

Locus ID: 98733

Cytogenetics: 1 C4

Gene Summary: Core component of the 3M complex, a complex required to regulate microtubule dynamics and genome integrity. It is unclear how the 3M complex regulates microtubules, it could act by controlling the level of a microtubule stabilizer. Acts as a regulator of the Cul7-RING(FBXW8) ubiquitin-protein ligase, playing a critical role in the ubiquitin ligase pathway that regulates Golgi morphogenesis and dendrite patterning in brain. Required to localize CUL7 to the Golgi apparatus in neurons (By similarity).[UniProtKB/Swiss-Prot Function]